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D. SHARP

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Bois, Insectes rongeurs du: **Lesne,**
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Trees, Contulmo, injuries of; **Rivera.**

Orchards, diseases of; **Theobald, 12.**

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Nadelhölzern schädliche *Chermes*;
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Oaks damaged by *Liparis*; **Houlbert,**
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Elm, *Schizoneura* and *Gossyparia*;
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Britton, 1.

Pines injured by *Recurvaria pinella*; **Busck, 3.**

Pinus laricis, new enemy of, Canada; **Cosens.**

Larch in Cumberland injured by *Nematus erichsoni*; **MacDougall, 1.**

Juniperus communis L. *Phloeosinus* (*Hylesinus*) *thujae* Perris u. *Callidium castaneum* Redtb.; **Torka, 1.**

Apple trees injured by *Simaethis*; **Sahlberg, 5.**

Apple, *Argyresthia*, &c., injurious to; **Lampa, 1.**

Apple-blossom destroyed by *Cetonia stictica*; **Noel, Naturaliste, 1906, (138).**

Mulberry trees, injurious insects; (Japanese.) **Akashi.**

Cotton, India, pests; **Lefroy, 5.**

Cotton insects, Texas; **Sanderson, 1.**

Cotton insects, Africa; **Theobald, 2.**

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Cacaoyer, Afrique, *Toxoptera* nouvel ennemi; **Schouteden, 7.**

Kakao-Rindenwanze; **Kuhlgatz, 2.**

Grape vine, *Pidia viticida*; **Felt, 8.**

Vine and *Tortrix ambiguella* on the Rhine; **Naturaliste, 1906, (226).**

Ficus elastica in Java, enemies of; **Koorders and Zehntner.**

Camphor tree, injurious insect of. (Japanese); **Sasaki, Chujirō, 2.**

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Sorghum, nouvel ennemi du; **Schouteden, 8.**

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Red Clover seed, *Dasyneura* (*Cecidomyia*) *leguminicola* Lint. and *Bruchophagus funebris*; **Webster, 1.**

Scirpus lacustris, L. var. *genuinus*, (Japanese), plant-louse on; **Okada.**

Mehlvorräthen schädliche Käfer; **Ševyrev, (Russ.).**

Creatures attacking.

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Clivina impressifrons and corn; **Webster, 3.**

Larven der Maikäfer als ausserordentlich wichtige Schädlinge der Runkelrübe (Russ.); **Vasiljev, 1.**

Strategus injuring date-palms; **Cockerell, Ent News, Philadelphia, 17, (34).**

Cetonia stictica; **Noel, 3.**

Agrilus anxius, bronze birch borer destroying the white birch; **Slingerland, 1.**

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Niptus hololeucus as injurious; **Mjöberg, 7.**

Anthonomus grandis, ravages and remedies; **Marchal, 1.**

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Conotrachelus nenuphar; **Johnson and Girault.**

Lebensweise des punktbäuchigen Hohlrüsslers und Versuche zu dessen Bekämpfung im Freien. (Russ.); **Pospélov.**

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Scolytidae ravages of 50 years back; **Hopkins, 3.**

Neue Beobachtungen über die Borkenkäfer der Seestrandkiefer, *Crypturgus mediterraneus* Eichh.; **Barbey, 2.**

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Tomicus typographus; **Hennings, 1.**

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Cyllene robiniae; **Hopkins, 2.**

(b) *Hymenoptera*.

Ants, plague of, S. Africa; **Bingham, (xxiii), London, Proc. ent. Soc., 1906.**

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Megastigmus injuring *Pseudotsuga*; **MacDougall, 2.**

Nematus erichsoni, attacking larch in Cumberland; **Theobald, 6.**

(c) *Lepidoptera*.

Bombyces, larval ravages, India; **Lefroy, 7.**

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Hyphantria cunea Dru.; **Berger.**

Jarthesia chrysographella Moore, remedies against, (Japanese); **Nakagawa.**

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Chilo in sugar-cane, etc., India; **Lefroy, 6.**

Dégâts de *Loxostege (Eurycreon) sticticalis* L. dans les cultures de betteraves; **Giard, 2**; but cf. *Lita ocellata*, below.

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Codling moth in the Yakima valley; **Melander and Jenne.**

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Tortrix viridana; **Schuster, 2.**

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Plutella cruciferarum; **Rostrup, 3.**

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(d) *Diptera*.

Cecidomyia rosaria Lw., in der Südpfalz; **Wüst.**

Simulium kolumbaczensis ravages; **Noel, 1.**

(**Marchal, 10**; Cécidomie nouvelle.)

Anthomyia conformis (Russ.) **Vasiljev, 4.**

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Sur les progrès de la Mouche des fruits *Ceratitis capitata* Wied. aux environs de Paris; **Giard, 5.**

Ceratitis capitata, mode of destruction of; **Berlese, 4.**

Über die Markflecke. *Agromyza carbonaria* Zett.; **Nielsen, 5.**

(**Lesne, 17**; Mœurs et habitat de *Platyparea poeciloptera* et de l'*Agromyza*.)

(e) *Hemiptera*.

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Chinch bug *Blissus leucopterus*; **Sanderson, 3.**

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Trioxa camphorae, preventive measures, (Japanese); **Sasaki, 1.**

Aphis gossypii; **Chittenden, 2.**

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Pemphigus, Schädigung des (ungarisch); **Vadas.**

Schizoneura lanigera life-history, tumours caused by; **Blomfield.**

Aspidiotus perniciosus; **Marlatt, 1.**

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(f) *Thysanoptera*.

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(g) *Termitidae*.

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(i) *Thysanura*.

Lepisma saccharina L, food; **Garman, 2.**

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Flies and disease; **Austen, 3.**

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Insects and man, Sudan; **Balfour, 3, 5.**

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Blood-sucking and other Diptera from Anglo-Egyptian Sudan; **Austen, 5.**

Blood-sucking flies, British, illustrated; **Austen, 1.**

Ueber zweiflügelige Insektenarten als Schmarotzer bei Menschen und Säugetieren; **Grünberg, 3.**

Blutsaugende Musciden; **Grünberg, 1.**

Die Stechmücken; **Eysell.**

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Les Insectes piqueurs, inoculateurs de maladies; **Sergent et Sergent.**

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Moustiques de la division d'Oran; **Niclot.**

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Tsetse-fly, extirpation; **Minchin**.

Répartition des tsé-tsé dans l'Ouest africain français et dans l'Etat indépendant du Congo; **Laveran**.

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Rhinoestrus purpureus Br. welche ihre Larven in die Augen der Menschen spritzt; **Portschinsky**, 3; (Russ.).

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Cheval Lésions du tube digestif du dues aux larves d'Estres; **Weinberg**.

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Nutzen der *Coccinella*-Larven; **Boeker**.

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Acclimatisation of *Attacus* in Jamaica; **Graham**, 4.

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Structure of *Anurida maritima*; **Imms**, 2.

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(**Osborn**, 7. Note on morphology of certain clasping organs in the *Pediculidae*.)

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Mundtheile, *Apidae*, etc.; **Gellersen**.

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(**Henneguy**, 1. Cellules ganglionnaires dans les centres nerveux chez les Larves et les Nymphes.)

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Reitter, 7; S. Russia and Persia *Anaglyptus*, 2 spp. n.

Reitter, 8; Oesterreich, Attica, Kaukasus, Irkutsk, *Ptinus* spp. n.

Reitter, 13; Bosnia *Apholeuonius*, Rumania *Phyllobius*, Algeria *Lobothorax*, Corsica *Hypocoelus*, Italy *Latelmis*, Kaukasus *Hypocoelus*, Ost-Turkestan *Corigetus*, Buchara *Pinophilus* spp. n.

Reitter, 14; Cephalonia, Turkestan, Armenia, *Nargus* 3 spp. n.

Reitter, 19; Italy *Anillus*, Anatolia *Elater*, Kaukasus *Plinthus*, Damascus *Cionus*; spp. n.

Reitter, 20; Bukarest, Turkei, Turkestan, *Laena* 5 spp. n.

Reitter, 21; Ordubad, Turkestan, Corfu, *Aphodius* 3 spp. n.

Schilsky, in **Küster** and **Kraatz**, 2; Corsica *Anaspis* sp. n., Turkestan *Eulobonyx* sp. n., Palestine *Haplocnemus* sp. n., Corfu *Apion* sp. n., Oran *Dasytes* sp. n.

Schmidt, Adolf; Orenburg and Turkestan, *Aphodius* 2 spp. n.

Zaitzev, 3; S.E. Russia and N.E. Siberia, *Agabus* and *Macrodrytes* 3 spp. n.

(Du Buysson, H., 4; *Elatерides* nouveaux.)

(Petri, K., 3; Bestimmungs-Tabelle der . . . Gattung *Lixus* Fab.)

(Reitter, E., 33; Vier neue Coleopteren der palaearctischen Fauna.)

(Reitter, 40; Neun neue Coleopteren der palaearctischen Fauna.)

(Reitter, 42; Uebersicht der Arten der Coleopteren-Gattung *Proteinus* Latr. aus Europa.)

(Reitter, 44; Uebersicht der Arten der . . . Gattung *Pilemia* Fairm. aus der palaearctischen Fauna.)

(Reitter, 45; Sechzehn neue Coleopteren aus der palaearctischen Fauna.)

(Reitter, 46; Drei neue Coleopteren aus der palaearctischen Fauna.)

Hymenoptera.

Distribution of *Apidae* and the glacial period; Vachal, 1.

Kieffer, 12; *Proctotrypidae* 111 spp. n.

Kohl, F. F., 2; Arabia and Sokotra many spp. n., Sinai *Labus* sp. n., Egypt *Pterochelilus* *Nortonia* *Notogonia* and *Trypoxylon* spp. n., Sarepta *Phanerotoma* sp. n., Mediterranean *Braconidae* *Cryptus* and *Hallicella* spp. n.

Kohl, 1; Kaukasus, Tunis, Bucharai, *Ophion* spp. n.

Kokujev, 2; *Alysonini* de la Russie 2 spp. n.

Konow, 5; Spain, Tangier, Transcaspien, *Tenthredinidae* 3 spp. n.

Szépligeti, 2; Austria, Hungary, Slavonia, Corsica, Tangier, Cyprus, *Braconidae* spp. n.

Lepidoptera.

Verity, 1; *Rhopalocera*, serial work.

Kusnezov, 3; *Sphingidae* dans les faunes paléarctique et en partie paléanarctique (émodo-sérique).

Tutt, 3; List of palaearctic *Hesperiiidae*.

Stichel, 3; *Parnassius* localities, subsp. n.

Bang-Haas; Switzerland, N. Africa, Syria, Centr. and W. Asia, Afghanistan, 15 spp. n.

Hampson, 1; Cyprus, Egypt, Algeria, Transcaspien, *Pyralidae* spp. n.

Hampson, 3; Cyprus, Algeria, Tunis, Asia Minor, Syria, Mongolia, *Cucullianae* 8 spp. n.

Diptera.

Meijere, 5; Revision of *Lonchopteridae* 2 spp. n.

Ricardo, 1; *Haematopota* localities.

Hermann; Biskra and Turkestan *Asilidae* 3 spp. n.

Hemiptera.

Oshanin, 1; Verzeichnis der paläarktischen Hemipteren mit besonderer Berücksichtigung ihrer Vertheilung im Russischen Reiche. 2 Band. *Homoptera*.

Oshanin, 2; id. 1 Bd. *Heteroptera*. I. Tief. *Pentatomidae-Lygaeidae*.

Horváth, 3, 6; Die *Tingitiden* des palaearktischen Faunengebietes (Ungarisch).

Melichar, 1; *Issides* Monographie spp. n.

(b) Europe, collectively.

Insecta.

Handlirsch, 3; Fossil insects.

Coleoptera.

Holdhaus; Verbreitung in den mitteleuropäischen Hochgebirgen.

Eggers; Verbreitung einiger europäischer Borkenkäfer.

Jacobson, 2; Die Käfer Russlands und Westeuropas.

Šugurov, 1; Russia eur. *Omophlus quadricollis*.

(Régimbart, 4; *Ilydroporus* nouveau.)

Hymenoptera.

Kieffer, 3; Europe and the Mediterranean, many spp. n.; *Braconidae*, *Evaniidae*, *Platygasterides*, *Proctotrypidae*.

Lepidoptera.

Lampert, 2; Coloured plates of European Lep.

Diptera.

Kieffer, 6; Bitche, Styria, Digne, *Cecidomyiidae*, *Sciariidae*, *Chironomidae*, *Bibionidae* spp. n.

Stein, 2; *Pegomyia* 16 spp. n.

Aphaniptera.

Rothschild, N. C., 7; England and Italy, *Ichnopsyllus* 2 spp. n.

Perlidae.

Klapálek, 3; *Dictyopterygidae*, monograph.

(c) North Europe, Siberia.

Insecta.

Strand, 3; Beiträge zur Hymenopteren- und Dipteren-Fauna Norwegens.

Muchardt; Sweden, nya lokaler för skalbaggar och steklar; Uppsala Ent. Tidskr., **27**, (128–131).

Finland, summary of faunistic observations for 1904, *vide* Helsingfors, Medd. Soc. Fauna Fl. Fenn., **31**, 1906, (211–215). *Idem*, for 1905, op. cit. **32**, (190–194).

Coleoptera.

Helliesen; In Jaederen und in Ryfylke gefundenen *Cerambycidae*, *Chrysomelidae* und *Coccinellidae*.

Strand; Norskø fund av *Rhynchophoren*: Kristiania For. Vid. Selsk. 1903, No. 2, (1–14).

Ericson; Sweden, *Smicrus filicornis* novelty.

Lampa; Sweden *Oxytelus rugifrons* novelty; Uppsala Ent. Tidskr., **27**, (132).

Varenus; Helsingborg, *Aphodius pictus*, *Ceuthorrhynchus sahlbergi*, novelties; Uppsala Ent. Tidskr., **27**, (230).

† **Mjöberg, 3**; Sweden, interglacial, *Olophrum* sp. n.; Sweden interglacial *Gyrinus* sp. n.; also **Munthe**.

† **Witte**; Sweden, postglacial fauna, a few *Coleoptera*.

Poppius, 3; Finland, catalogue of imported *Col.*

Poppius, 1; Finland, *Crepidodera*.

Nordström; Finland, *Aegialia arena-ria* novelty; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **31**, 1906, (5).

Poppius; Finland, *Tribolium confusum* novelty; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **32**, (39).

Poppius; Finland, *Myllaena gracili-cornis* novelty; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **31**, (73).

Sahlberg, 3; Finland, *Ceuthorrhynchus scapularis* novelty.

Sahlberg, 4; Finland, *Agabus* sp. n.

Sahlberg; Finland, *Otiorrhynchus tristis*, *Ceuthorrhynchus neutralis*; Helsingfors, Medd. Soc. Fauna Fl. Fenn., **31**, (55).

Phänologie, Excursionen in der Umgebung von St. Petersburg im Frühjahr 1904; Mazarakij, **2**. (Russ.)

Jacobson, 1; Transbaikal *Donacia* sp. n.

Lapouge, 3; Lac Baikal, *Carabus* list.

Poppius, 7; Siberia, *Cryobius* spp. n.

Poppius, 8; East and N. Siberia, *Pterostichus (Derulus)* 2 spp. n.

Poppius, 9; Lena-Thal, *Halipilidae*, *Dytiscidae* 7 spp. n.

Poppius, 11; Lena-Thal, *Carabidae* 15 spp. n.

Poppius, 12; N.E. Russia, 3 spp. n., *Carabus*, *Atheta*, *Bledius*.

Poppius, 13; Siberia, *Pterostichus* 5 spp. n.

Hymenoptera.

Lie-Pettersen, 2; Norway Himmeln.

Strand, 3; *Ichneumon*es collected in Hallingdal and Hattfjeldal.

Strand; Hymenopterologisk bidrag til Norges fauna; *Tenthredinidae* and *Aculeata*; Kristiania For. Vid. Selsk., 1903, No. 8, (1–8).

Nordenström; Sweden, *Ichneumonidae* list: Uppsala Ent. Tidskr., **27**, (133–136).

Forsius, 2; Finland, *Tremex*, *Emphytus*, *Taxonus* novelties.

Konow, 2; Solovetzkizolos and E-Siberia, *Trichiosoma* 2 spp. n.

Lepidoptera.

Rowland-Brown; Scandinavia and Lapland excursion, *Rhopalocera*.

Rowland-Brown; Lapland, *Herminia modestalis* and *Pionea decrepitatis*, (287). Entomologist, 1906.

Schneider, J.; Saltdalens (Norwegen), Lepidopterenfauna.

Thorsen; *Bombyx pini*, Norwegen.

Fabritius; Finland, *Geometridae*, 2 novelties.

Forsius, 1; Finland, *Ephestia interpunctella* novelty.

Poppius, 2; Finland, *Agrotis eversmanni* vice *collina*.

Wegelius; Finland, *Lasiocampa trifolii* novelty, (63) Helsingfors, Medd. Soc. Fauna Fl. Fenn., 31.

Trichoptera.

Silfvenius, 4; Lake Ladoga, 98 spp., 1 sp. n.

Siltala, 4; Finland brackish water, 61 spp.

Silfvenius, 6; Finland short list.

Silfvenius; Finland, *Hydropsyche silfvenii* novelty; Helsingfors, Medd. Soc. Fauna Fl. Fenn., 32, (67).

Ulmer, 3; Siberia, *Maniconeura* and *Leptocerus* sp. n.

Neuroptera.

Tullgren, 2; Sweden, *Coniopterygidae* sp. n.

Diptera.

Strand; Norske lokaliteter for *Diptera*; Kristiania, For. Vid. Selsk., 1903, No. 3, (1-11).

Frey, 1; Finland, *Sargus rufipes* and *nigripes*, *Pelecocera tricineta*, novelties.

Frey, 2; Finland, *Sciomyza simplex*, *Cheligaster ciliata*, novelties.

Frey, 3; Finland, *Brachypalpus bimaculatus*, *Alophora aurulans*, *Empis cinerea*, *Haematobia melanogaster*.

Levander; Helsingfors, *Anopheles claviger*; Helsingfors, Medd. Soc. Fauna Fl. Fenn., 32, (75).

Lundström; Finland, *Desmometopa M-atrum*, novelty.

Poppius; Finland, *Cheilosia chloris*, *Hilara pinetorum*; Helsingfors, Medd. Soc. Fauna Fl. Fenn., 32, (107).

Sahlberg, 1; Finland, *Hydrotaea albipuncta*, *Hydrophana convexa*, novelties.

Sahlberg, 2; Finland, *Chrysops*.

Mazarakij, 2; St. Petersburg, Excursionen in der Umgebung.

Hemiptera.

Muchardt; Sweden, novelties and localities.

Reuter; Finland, *Stenodema trispinosum*, novelty; Helsingfors, Medd. Soc. Fauna Fl. Fenn., 31, (34).

Horváth, 4; Irkutsk, *Plinthisus* sp. n.

Tullgren, 1; Sweden, *Coccidae* of; also op. cit. (158).

Orthoptera.

Adelung, 2; *Orthoptera*, Turgaica, (Siberia occidentali meridionali), *Acriidiidae* 3 spp. n.

Adelung, 3; Tobolisk, *Prodromus orthopterorum*, *Celes* sp. n.

Thysanura and Collembola.

Lie-Pettersen, 4; Nördliches Norwegen, *Apterygotenfauna*.

Wahlgren, 3; *Thysanura* and *Collembola* of Sweden.

Wahlgren, 2; Torne Lappmark, *Collembola* 4 spp. n.

(d) British Islands.

THE FAUNA AS A WHOLE.

Insecta.

Fossil insects; Handlirsch, 3.

Coleoptera.

Hydrochus nitidicollis, novelty; Donisthorpe, 2.

Dinarda pygmaea, novelty; Donisthorpe, 3.

Lathrobium laevipenne, novelty; W. F. Sharp.

Euplectus tomlini sp. n.; Joy, 2.

Cryptomorpha deajardinsi, novelty; **Bagnall, 2.**

Corticaria crenicollis, novelty; **Joy, 4.**

Cardiophorus erichsoni, novelty, Lundy Island; **Joy and Tomlin.**

Ptinus pusillus, novelty; **Donisthorpe, 1.**

Carida affinis, novelty; **Sharp, David, 2.**

Retrospect of discoveries, 1905; **Beare, Ent. Rec., London, 1906, (1-7).**

The myrmecophilous *Col.* of Great Britain; **Donisthorpe, 5.**

Imported *Colcoptera*; **Bagnall, 1.**

Nests of mammals and birds, *Col.* in, *Homalota paradoxa*, novelty; **Joy, 3.**

Lomechusa strumosa in Britain; **Donisthorpe, (159), Ent. Rec., 1906.**

Megaeronus formosus at Swansoa; **Donisthorpe, (40), Ent. Mag., London, 42.**

Carpophilus scxrustulatus restored; **Bayford, (179), Ent. Mag., London, 42.**

Thyamis curta withdrawn; **Newbery, (87), Ent. Mag., London, 42.**—*Thyamis curta* restored; **Elliman, (137), T.c.**

Hymenoptera.

Bracon spp., with one novelty; **Morley, 2.**

Xeris spectrum, novelty; **Roebuck.**

Megastigmus spermotrophus, novelty; **MacDougall, 2.**

Kieffer, 12; Proctotrypidæ spp. n.

Pseudisobrachium cantianum sp. n.; **Chitty.**

Additions to the list of *Aculeata* since 1896; **Saunders, 2.**

Microgasteridae, localities; **Morley, 1.**

Tenthredinidae, revision of list, with tables; **Morice, 1.**

Tenthredinidae, localities for; **Bloomfield, (116), Ent. Mag., London, 42.**

Lepidoptera.

Blastotere glabratella, novelty; **Wal-singham, 3.**

Stenoptilia graphodactyla novelty; **Mathew, 1.**

Mesophleps silacellus novelty; **Banks, 2.**

Vol. xi, Completion of Barrett's work; **Barrett, C. G.**

Handbook, Vol. V, *Alucitides*; **Tutt, 4.**

British Butterflies; **South, 2.**

British Butterflies; **Tutt, 5, 6.**

Argyresthia illuminatella as British; **Banks, (63), Ent. Mag., London, 42.**

Tortrix pronubana established; **Adkin, (306), Ent. Rec., 1906.**

Abundance recently of certain species; **Adkin, 1.**

Deilephila livornica captures 1906, Entomologist, 1906, passim.

Pyrrharcia isabella in Britain; **Chapman, (101), Ent. Mag. London, 42.**

Prodenia littoralis in Britain; **Mel-dola, (xvi), London Proc. ent. Soc., 1906.**

Laphygma exigua, numerous captures in 1906; cf. Entomologist passim.

Orgyia gonostigma localities; **Burrows.**

Trichoptera.

Triaenodes reuteri novelty; **Morton, 2.**

Halesus guttatipennis localities; **Porritt, (91), Ent. Mag. London, 42.**

Diptera.

Trichocera maculipennis novelty; **Grimshaw, 4.**

Empis hyalipennis novelty; **Mallock, (257), Ent. Mag., London, 42.**

Phora revision, novelties, 4 spp. n.; **Wood.**

Phora novelties, sp. n.; **Wingate, 1.**

Phora sordida novelty; **Mallock, (276), Ent. Mag., London, 42.**

Phora perennis novelty; **Collin.**

Pegomyia 3 spp. n.; **Stein, 2.**

Tables of British *Diptera*, and introduction to the study; **Wingate, 2.**

Retrospect of 1905; **Collin, (75, 76), Ent. Rec., 1906.**

Hydrotæa, the British, concluded; **Grimshaw, 1.**

Aphaniptera.

Ceratophyllus insularis sp. n.; **Rothschild, N. C., 4.**

Hemiptera.

The British aquatic *Hemiptera*;
Kirkaldy, 1.

Psocidae.

Reuterella helvimaecula novelty;
Guermontprez.

Collembola.

Isotoma sp. n., *Entomobrya* sp. n.,
Ireland; **Carpenter, 3.**

LOCAL LISTS.

Insecta.

Cornwall; **Clark.**

Polzeath, N. Cornwall captures;
Gibbs.

Devonshire; **Goss.**

Dorset, 1905, first appearances;
Richardson.

Berkshire; **Fowler, 2.**

Marlborough, novelties, etc.; **Meyrick,**
(59-70), Marlborough Rep. Coll. Nat.
Hist. Soc., 54.

Somersetshire; **Blathwayt and Hudd.**

Kew gardens fauna; **Thiselton-Dyer**
and others.

Shropshire captures; **Melville,** Shrews-
bury Rec. Caradoc F. Cl., 16, (30-33).

Leicestershire, *Lep.* and *Col.* Some
varieties; **Holyoak.**

Bradford; *Lepidoptera* **Carter,**
Diptera **Ashworth,** *Blattidae* **Carter;**
Bradford Nat. Hist. Soc. Rep., 1906,
(1-16).

Galashiels, *Lep.* and *Col.*: **Shaw and**
Whitehead.

St. Kilda, short list; **Evans,** (87),
Ann. Scot. Nat. Hist., 1906.

St. Kilda, short list; **Waterston, 2.**

Fair isle: **Grimshaw,** (118), Ann.
Scot. Nat. Hist., 1906.

Ireland, S.W., *Col.* and *Lep.*, short
list; **Bonaparte-Wyse,** Irish Natural,
1906, (234).

Coleoptera.

Dawlish, *Sibinia* and *A. filirostre*;
De la Garde, (180), Ent. Mag., 42.

Yelverton, Devon; **Donisthorpe**
(133), Ent. Rec., 1906.

Devon, captures; **de la Garde,** (230,
231), Ent. Mag., 42.

Isle of Wight, annotated catalogue:
Donisthorpe, 6.

Isle of Wight, *Lytta*; **Bryant,** (180),
Ent. Mag., 42.

New Forest, *Calosoma sycophanta*;
Walker, (159), Ent. Mag., 42, and **Ethel**
Chawner, T.c. (229).

New Forest, *Gyrinus urinator*;
Rendel, (273), Ent. Mag., 42.

Lundy island; **Joy, 1,** list, *Stenus*
ossium var. n., *Melanophthalma dis-*
tinguenda novelty.

Sussex captures; **Dollman,** (326), Ent.
Rec., 1906.

Ditchling captures; **Dollman,** (45),
Ent. Rec., 1906.

Dover, *Lytta vesicatoria*; **Shaw,** (268),
Ent. Rec., 1906.

Dartford, *Procas armillatus*; **Jennings,**
(138), Ent. Mag., 42.

Kent, in birds' nests; **Chitty,** (115),
Ent. Mag., 42.

Kent, *Aethophorus imperialis*; **Nichol-**
son, (230), Ent. Mag., 42.

Sheppey, *Anisotoma lunicollis*; **Walker,**
(159), Ent. Mag., 42; *Holoparamerus*
caularum; **Walker,** T.c. (231).

Carshalton, *Amara anthobia*; **Attles,**
(13), Ent. Mag., 42.

Woking captures; **Champion,** (255),
Ent. Mag., 42.

Chobham, *Stenus kiesenwetteri*, etc.;
Champion, (136), Ent. Mag., 42.

Guildford, *Medon castaneus*, etc.;
Champion, (272), Ent. Mag., 42.

Berkshire, *Microptilium pulchellum*;
Joy, (180), Ent. Mag., 42.

Sunningdale, *Stenus kiesenwetteri*;
Donisthorpe, (134), Ent. Rec., 1906.

Reading; **Joy,** (40), Ent. Mag., 42;
Reading, in birds' nests: **Joy,** T.c. (39);
Tachysa concolor, id. T.c. (256).

Newbury, list; **Harwood,** (87, 88),
Ent. Mag., 42; also **Donisthorpe,** (268),
Ent. Rec., 1906.

Epping, *Megacronus inclinaus*; **Doll-**
man, (45), Ent. Rec., 1906.

Hendon, *Eumecurus rufus*; **Butler,**
(138), Ent. Mag., 42.

Enfield; **Pool**, (20, 21), Ent. Rec., 1906.

Tottenham, *Trigogenius globulum*; **Girningham**, (115), Ent. Mag., 42.

Buckinghamshire, list, **W. E. Sharp**; Ent. Mag., 42, (38, 39).

Oxford captures; **Walker**, 2.

Oxford, *Anisotomidae*, etc.; **Walker**, (273), Ent. Mag., 42; Oxford, *Sitaris muralis*; **Hamm**, T.c. (273).

Sherwood Forest captures; **Taylor**, (272), Ent. Mag., 42.

Suffolk, *Quedius longicornis*; **Morley**, (211), Ent. Mag., 42.

Suffolk, additions; **Bedwell**, (12, 13), Ent. Mag., 42.

Norfolk, *Quedius nigrocoeruleus*; **Joy**, (90), Ent. Mag., 42.

Norfolk broads, *Donacia obscura*, etc.; **Donisthorpe**, (214), Ent. Rec., 1906.

Holme-juxta-mare, *Apion limonii*; **Morley**, (229), Ent. Mag., 42.

Derbyshire, *Quedius riparius*; **Taylor**, (63), Ent. Mag., 42.

Miller's Dale, Derbyshire, *O. rugifrons*; **Taylor**, (13), Ent. Mag., 42.

Isle of Man; **Tomlin**.

Southport, novelties; **Chaster**.

Yorkshire, list, novelties; **Bayford**, (372, 373), Naturalist, 1906; Short list; **Bayford**, T.c. (180).

Doncaster, *Proscus*, etc.; **Corbett**, (223), Naturalist, London, 1906.

Derwent Valley, *Rhizophagus cribratus*, etc.; **Bagnall**, (256), Ent. Mag., 42.

Cumberland, captures; **Britten**, (74, 75), Ent. Rec., 1906; and **Day**, Ent. Mag., 42, (61-63).

Northumberland, Durham, additions to list; **Bagnall**, (323, 324), Ent. Rec., 1906; *Seydmanidae* and *Pselaphidae*, id. T.c. (326).

Northumberland, Durham, myrmecophilous *Col.*; **Donisthorpe**, (159-161), Ent. Rec., 1906; *Epuraea*, list of; **Bagnall**, (159), Ent. Mag., 42.

N. Wales captures; **Donisthorpe**, (241), Ent. Rec., 1906; *Henoticus serratus*; **Taylor**, (90), Ent. Mag., 42.

Scotland, captures 1905; **Carter**, (181, 182), Ent. Mag., 42; Scotland, *Pinus tectus*; **Evans**, Ann. Scot. Nat. Hist., 1906, (56).

Dunfermline and Stromness; **Beare**, (40), Ent. Mag., 42.

Fair Isle; **Beare**, 1, 2.

Highlands; **Bevins**, (134, 135), Ent. Rec., 1906.

Strathspey, *Cryptohypnus pulchellus*; **Black**; also (321-323), Ent. Rec., 1906.

Sutherland, *Otiorrhynchus morio ebeninus*; **Taylor**, (272), Ent. Mag., 42.

Orkney and Shetland islands, Catalogue, 246 spp.; **Poppius**, 10.

Ireland, novelties; **Johnson**, (11, 12), Ent. Mag., 42; captures; id. T.c. (89); short list; id. Irish Natural., 1906, (74).

Fermanagh, list; **Johnson**.

Wexford, *Paederus caligatus*; **Johnson**, Irish Natural., 1906, (14).

Wicklow, *Strangalia aurentata*; Sligo, *Pelophila borealis*; **Carpenter**, Irish Natural., 1906, (275).

Hymenoptera.

Lyne Regis, *Aculeata* captures; **Nevinson**, (90), Ent. Mag., 42.

New Forest, Cornwall, etc., captures; **Arnold**, (275), Ent. Mag., 42.

Hastings, *Aculeata* captures; **Frisby**, (90), Ent. Mag., 42.

Chobham, *Heriades truncorum*; **Morice**, (214), Ent. Mag., London, 42.

Leith Hill, *Andrena lapponica*; **Frisby**, (180), Ent. Mag., 42.

Holmwood, Surrey, captures; **Mortimer**, (232), Ent. Mag., 42.

Northwich, *Athalia scutellariæ*; **Coward**, (233), Ent. Mag., 42.

Yorkshire, *Fossoria* novelties; **Roe-buck**, (405), Naturalist, 1906.

Yorkshire, *Apidae* 6 spp.; **George**, (199), Naturalist, 1906.

Northumberland, Durham, *Formicoxenus*; **Bagnall**, (140), Ent. Mag., 42.

N. Wales, *Andrena lapponica*; **Gardner**, (213), Ent. Mag., 42; *Halictus freygessneri*, id. (214).

Scotland, *Aculeata*; **Saunders**, 1.

Haddingtonshire, *Crabo carbonarius*, etc. ; **Evans**, (232), Ent. Mag., 42.

Perthshire, *Aculeata* captures ; **Rothney**, (257), Ent. Mag., 42.

Fillans, Perthshire, *Aculeata* list ; **Rothney**, (14), Ent. Mag., 42.

Lepidoptera.

Cornwall, *Deiopeia*, etc. ; **Rollason**, (292), Entomologist, 1906.

Cornwall and S. Devon, *P. daplidice* ; **Lyon**, (290), Entomologist, 1906.

South Devon, *Heliothis peltiger* ; **Walker**, (211), Entomologist, 1906.

South Devon, *Crambus fascellinellus* ; **Edelsten**, (10), Entomologist, 29, and **Studd**, T.c. (43).

Isle of Purbeck, *Sterrha sacrararia* and *Phalonia manniana* ; **Bankes**, (64), Ent. Mag., 42 ; and *Perinephele laucealis*, id. T.c. (138).

Lyndhurst, *Vanessa antiopa* ; **Cripps**, Entomologist, 1906, (161).

Wiltshire, *Heliothis peltigera*, **Boyne**, (234), Entomologist, 1906.

Salisbury and Devizes, *Aporophyla nigra*, etc. ; **Meyrick**, Marlborough, Rep. Coll. Nat. Hist. Soc., 54, (97).

Surrey, *Cateremna terebella* ; **Thurnall**, (180), Ent. Mag., 42.

Eastbourne, sketch of *Lep*, **Jenner** ; *Tortrix pronubana*, **Adkin**, (274), Ent. Mag., 42, and **Image**, T.c. (13).

Lewes, *Heliothis peltiger* ; **Vinall**, (211), Entomologist, 1906 ; *Deiopeia* ; **Jarvis**, (292), T.c.

East Grinstead, *Polygonia ce-album* ; **Perkins**, (234), Entomologist, 1906.

Horsham (with dates of appearance) ; **White**.

Bagshot, *Rhopalocera* list ; **Floersheim**, (276), Ent. Rec., 1906.

Camberley, *Boletobia fuliginaria* ; **Tulloch**, (208), Entomologist, 1906.

Reading, *Dicycla oo, renago* ; **Butler**, (161), Entomologist, 1906.

Woking *Deilephila livornica* ; **Smith**, (211), Ent. Mag., 42.

Dorking long list ; **Oldaker**.

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Lange; Entomologisches aus dem sächsischen Erzgebirge.

Standfuss, 1; Switzerland, introduced insects.

Vogler; St. Gallen, Zooceciden.

Olasz; Ungarns *Orthoptera* und *Neuroptera* (Ungarisch).

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Rudow, 4; Sammlerfahrt nach Südtirol.

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Vorbringer, 1; Sammelbericht, Ostpreussen.

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Schreiber; Oderwald, Cerambyciden und Buprestiden.

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Strohmeyer; Deutschland, *Platypus* var. ? *cylindriciformis*.

Born, 4; Monte Generoso Carabenfauna.

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Stierlin; Schaffhausen, Catalogue, 1 Teil und Teil 2.

Koča; Vinkovce, catalogue.

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Fleischer, 3; Mähren und Böhmen-*Liodes* sp. n.

Fuchs, G., 3; Borkenkäfer Kärntens.

Krauss; Styria und Herzegovina, *Anophthalmus* 2 spp. n.

Petri, 1; Transsylvanian Alps, *Malithodes* sp. n.

Csik, 1; Ungarische Morphocaraben, Distribution.

Brancsik; Hungary, Com. Trencsén Catalogue.

Csik, 3; Borkenkäfer Ungarns (ungarisch).

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Vängel; Ungarn, *Coleoptera* (ungarisch.)

Jasilkowski; Bukowina.

Formánek, 1; Dobrudscha, *Brachysomus* sp. n.

(**Fleischer, 6**; Flugzeit von *Colon* und *Liodes* . . . in der Umgebung von Brünn.)

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Mazarakij, 1; St. Petersburg, *Cicindela maritima* Dej.

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Heyden, 2; Frankfurt-a.-M., *Cynipidae*, *Chalcididae*.

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Cornelsen; Westfalen, *Vanessa xanthomelas* und *Enchloe belia ausonia*.

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Gurney; Switzerland, excursion captures.

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Keynes; Switzerland, captures, *Rhopalocera*.

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Zaicev, 1; Lepidopterenfauna von Novgorod. (Russ.)

Šugurów, 2; Chersoner Gouvernement.

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Jachontov, 2; *Rhopalocera* der Gouv. Vladimir und Nijni-Novgorod. (Russ.)

Trichoptera.

Weele; Netherlands, *Setodes interrupta*, novelty; Ent. Ber. Nederland, 2, (147).

Thienemann; Tiroler Trichopteren.

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Enderlein, 19; Berlin, *Coniopterygidae* 2 spp. n.

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Strobl, P. G., 2; Steiermark, *Neuroptera* s.l., synopsis.

Diptera.

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Meijere, 3; Holland, *Cecidomyiidae* 2 spp. n.

Guillaume; Belgium, numerous novelties.

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Landrock; Brünn, *Brachycera*.

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Seitner; Idria *Cecidomyiidae* gen. n.

Bartel; Ungarn, Beiträge. (Ungarisch.)

Portschinsky, 3; Russia, *Rhinoestrus purpureus* Br.

Meunier, 2; Baltic amber, *Psychodidae* and *Tipulidae*.

Hemiptera-Heteroptera.

Schouteden; Bruxelles, novelties, Bruxelles, Ann. Soc. ent. Belgique, **50**, (310).

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Horváth, 7; Crimée, *Miraria* gen. n.

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Jakovlev, 4; Tauride, Hétéroptères. (Russ.)

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Aphidae.

Schouteden, 9; Belgium, Catalogue, 4 spp. n.

Coccidae.

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Psocidae.

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Ephemeridae.

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Odonata.

Petersen, 1; Denmark, list.

Timm; Hamburg, Verzeichnis.

Orthoptera.

Alfken; Verzeichnis der bei Bremen aufgefundenen *Orthoptera genuina*.

Geisenheyner; Kreuznach, *Ephippigera vitium*.

Werner, 2; Orthopterenfauna des Pittenthal von Sebenstein bis Aspang.

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Thysanura.

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Axelson; Royal, 68 spp., 1 sp. n.

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Insecta.

Marchal and Chateau; Saone et Loire, Catalogue des Zoocecidies.

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Peyerimhoff, 1; Basses Alpes, Faune cavernicole.

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Barthe; France and Corsica, catalogus Coleopterorum.

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Le Comte, 2; Lamellicornes, Tableaux de détermination.

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Bedel, 3; *Onthophagus grossepunctatus* novelty.

Chobaut, 2; Novelty, *Mordellistena tournieri*.

Abeille, 1; *Miarus* 3 spp. n.

Normand; *Amauronyx* sp. n., *Bryaxis* sp. n., *Cephennium* sp. n.; *Tachysaraptor*, *Dimerus staphylinoides*.

François; Pas-de-Calais, *Aegialia rufa*. Paris, Bull. soc. ent. France, 1906, (162).

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Saulcy, de; Lectoure *Trechus* sp. n.

Desbordes; Seine-et-Maine, *Drapetes mordelloides*, Paris, Bull. Soc. ent. France, 1906, (197).

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Péneau, 2; Loire-Inférieure.

†**Cayeux;** Finistère *Col.* remains in peat.

Desbrochers, 7; Cher et Loire, flood-refuse.

Clermont; Gers.

Desbrochers, 5; Gard *Orthochaetes* sp. n.

Déville Sainte-Claire, 4; Auvergne, 3^e supplément.

Fauvel, 2; Auvergne (mont Dore et Plomb-du-Cantal), 4^e supplément.

Planet, 2; Sainte-Mesme (Isère), Coléoptères cavernicoles de la grotte de.

Jeannel, 5; Ariège, *Bathyscia* 2 spp. n.

Pic, 34; Basses-Alpes, *Evodinus*.

Jeannel, 1; Basses-Pyrénées, *Bathyscia* sp. n. and *Bathysciella* gen. n.

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(Abeille de Perrin, 12; *Bythinus* nouveau de France.)

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(Bedel, 8; Carculionide aquatique: *Stenopelmus rufimanus*.)

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(Chobaut, 15; Un staphylinide nouveau.)

(Chobaut, 17; Un Coléoptère cavernicole nouveau.)

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(Dodero, 1; Psélaphide aveugle . . .)

(Le Comte, 4; Tableaux de détermination des Cétonides . . .)

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(Peyerimhoff, P., 5; Nouveau Silphide cavernicole . . .)

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Gaule; Catalogue.

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Vachal, 1; Canigou *Andrena* sp. n.

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Viard; various localities, 8 spp., Paris, Bull. Soc. ent. France, 1906, (150).

Vaucher; *Syntomis alicia*.

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Smits, 3; Dép. du Nord, *Chloanta polyodon*.

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Goltz; Lothringen, *Saturnia pyri*.

Joannis; Seine-et-Oise *Schoenobius gigantellus*, Paris, Bull. Soc. ent. France, 1906, (140).

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Siepi; Bouches-du-Rhône, Catalogue.

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(**Balestre, 2**; *Plusia* nouvelles des Alpes-Maritimes.)

Neuroptera.

Navas, 5; Fontainebleau, *Myrmecleon nostras*.

Lucas, 5; South France, brief list.

Diptera.

Villeneuve, 5; Catalogue des Diptères de France, *Leptidae* and *Stratiomyidae*.

Conte et Vaney; *Anopheles maculipennis*, région lyonnaise.

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Villeneuve, 1a; Montpellier *Limnophora* 2 spp. n.

(**Villeneuve, 1**; Coup d'œil sur la faune diptérologique des Alpes françaises.)

(**Villeneuve, 2**; Diptères de France.)

(**Pandellé, 3**; Le *Cheilosia* . . .)

(**Pandellé, 1**; Etude sur les Muscides.)

(**Pandellé, 2**; Catalogue des Muscides.)

Hemiptera-Heteroptera.

Guérin and Péneau; *Lygaeidae* of France, Catalogue.

Roger, 4; Angers, criticism of recent records.

Abot; Angers, *Nabis boops*.

Pionneau; Hémiptères, faune française, *Nabis boops* Bretagne.

Lambertie, 2; Bordeaux short list, *Systellonotus* sp. n.

Péneau; Loire-Inférieure, novelties. Bull. Soc. Sci. Nat. Ouest., France, Ser. 2, (xxii).

(**Reuter, 12**; *Capsides*, nouveaux).

Coccidae.

Leonardi, 3; Nancy, *Leucaspis* sp. n.

Orthoptera.

(**Fagniez, Ch.**; *Dolichopoda palpata*.)

Béranguier; *Saga serrata*.

Vuillemin; Lorraine, *Mantis*.

Azam, 2; Pyrénées, *Stenobothrus* sp. n.

†**Meunier, 6**; Fontanes houillier supérieur, *Etolblattina* sp. n.

(**Borelli, 6**; Forficules des Pyrénées).

(g) South Europe and Mediterranean.

Insecta.

Tavares, 3; Portugal, synopsis of zoocecidia.

Tavares, 1, 2, 4; Spain and Portugal, galls.

Fuente; Ciudad Real, captures.

Navás, 4; Aragón, brief lists.

Cecconi; Tuscany galls.

Olivier, 3; Bou-Saada, excursion.

Graeffe, 1; Tunis, catalogue with localities.

Penther; Erdschias-Dagh, account of journey.

Coleoptera.

Solari, 2; Algeria, Tunis, Italy, Herzegovina, *Curculionidae* 12 spp. n.

Desbrochers, 4; Spain, N. Africa and Asia Minor, *Curculionidae* 13 spp. n.

Desbrochers, 3; Algeria and Asia Minor, *Holcorrhinidae* 4 spp. n.

Flach, 1; Portugal, *Elaphocera* sp. n., *Apion* sp. n.

Escalera, 6; Spain, *Asida*, 2 spp. n.

Pic, 19; Espagne, *Anthicus* and *Gymnetron* sp. n.

Reitter, 16; Spain, *Helops* 2 spp. n., *Curculionidae* 6 spp. n.

Escalera, 2; Murcia, *Asida* sp. n.

Escalera, 5; Motril, *Asida* sp. n.

Bickhardt, 1; Reise nach Korsika.

Bickhardt, 2; Corsica, list, novelties, *Amara* sp. n.

Déville, 5; Corsica, Catalogue, *Carabidae* to *Staphylinidae*; *Bembidium*, *Amara*, *Medon*; spp. n.

Maindron, 8; Corsica, list *Carabidae*, with correction, T.c. (291).

Grandi, 1; Sardinia, *Cicindela* sp. n.

Jacobson, 3; Sardinia, *Labidostomis* sp. n.

Razzauti; Elba, Pianosa, list.

Botto, 2; Italia, Aggiunte al catalogo del Bertolini.

Vitale, 2; Italia, note topografiche.

Porta; *Staphilinidi* italiani, revisione.

Leoni, 1; Italia, novelties, *Rhizotrogus* and *Otiorrhynchus*, sp. n.

Leoni, 3; Italia, *Cebrio* sp. n.

Amore, 1; Italia, *Hoplia* sp. n.

Amore, 4; Italia, *Eudipnus* sp. n.

Flori, 1; Italia, *Malthodes* revision, completed, 3 spp. n.

Mainardi; Italia, *Curculionidae* gen. n.

Kuhnt, 1; Käfersammler im Mai am Garda-See.

Leoni, 2; Umbria, *Chilotoma* sp. n.

Silvestri, 1; Umbria, *Rhipiphoridae* gen. n.

Flori, 2; Emilia, *Heterocerus*, *Agrilus*, *Dasytes* and *Orchestes*, sp. n.

Amore, 2; Monte Sirenti, *Otiorrhynchus* sp. n.

Raffray, 1; Rome, *Amaurops* sp. n.

Reitter, 2; Calabria, *Trinium*, *Euplectus*, *Bythinus*, *Tentyria* sp. n.

Flori, 3; Sicilia, escursione in, *Otiorrhynchus* sp. n.

Ragusa, 1; Apion di Sicilia.

Flori, 4; Sicilia, *Mastigus*.

Pic, 36; Sicilia, *Cantharis* sp. n.

Reitter, 17; Sicilia, *Cisurgus* sp. n.

Reitter, 18; Sicilia, *Epuraea* sp. n.

Solari, 1; Sicilia, *Dichotrachelus* sp. n.

Vitale, 1; Sicilia, *Curculionidae* 6 spp. n.

Dombrowski and Born, 3; Ausflug in Südbosnien.

Montandon; Roumania, Catalogue.

Müller, Josef, 5; Dalmatia, *Cerambycidae* Catalogue.

Apfelbeck; Albanien und Montenegro, 20 spp. n., *Carabidae*, *Bythinus*, *Sphaerosoma*, *Helops*, *Otiorrhynchus*, *Bagous*.

Formánek, 2; Montenegro, *Anillocharis* sp. n.

Bedel, 1; Maroc, Algérie, Tunisie et Tripolitaine, avec notes sur la faune des îles Canaries et de Madère: *Carabidae* 5 spp. n.

Peyerimhoff, 3; Nord-Africa, *Pteuidium* sp. n., *Scopaeus* sp. n.

Déville, Sainte-Claire, 3; N. Africa, *Hydraena*, synopsis.

Desbrochers, 2; Tangier *Elytrodon*, Algeria *Chaerocephalus* sp. n.

Escalera, 1; Mogador, *Filalia* sp. n., *Anoxia* sp. n.

Portevin, 1; Maroc, *Hydnobius* sp. n.

Lesne, 14; Sahara, *Opilo* sp. n.

Pic, 32; Algérie, petite excursion.

Chobaut, 7; Algérie *Metophthalmus* sp. n.

Bourgeois, 2; Algérie, *Rhagonycha* sp. n.

Peyerimhoff, 3; Algeria, *Euplectus* sp. n., *Atheta* sp. n.

Régimbart, 2; Algérie, *Derouectes* sp. n.

Pic, 15; Algérie et Tunisie, *Plinidae* list, *Anthicus* 2 spp. n.

Kerremans, 3; Egypt, *Acmacoderu* sp. n.

Bodemeyer; Klein-Asien.

Weise, 3; Asia Minor, *Pachybrachys* sp. n.

Gauckler, 5; Palästina.

Ganglbauer, 2; Erdschias-Dagh, Asia Minor, list, 20 spp. n., *Carabidae*, *Philonthus*, *Trichodes*, *Curimus*, *Tenebrioidae*, *Omophilina*, *Mylabris*, *Pachybrachis*, *Curculionidae*, *Hoplia*.

Pic, 31; Asie mineure *Cyclomias*, Mésopotamie et Egypte *Throscus* spp. n.

Pic, 34; Taurus, *Tetrigus cyprius*.

(**Abeille de Perrin, 3**; Deux espèces de Coléoptères d'Algérie.)

(**Bedel, 6**; Nord de l'Afrique, Catalogue.)

(**Bedel, 7**; Nouveau type de Cléonides.)

(**Bedel, 11**; Coléoptères nouveaux.)

(**Bedel, 12**; Coléoptères européens retrouvés en Barbarie.)

(**Bourgeois, 7**; Nouvelle espèce du genre *Malthodes*.)

(**Bourgeois, 12**; Une nouvelle Lycide.)

(**Demaison, Ch.** Espèces nouvelles d'Asie Mineure.)

(**Deville, Sainte-Claire, 6**; *Dyschirius* nouveau.)

(**Buysson, du, H., 6**; Elatérides nouveaux.)

(**Fauvel, 8**; *Geostiba* nouvelle d'Algérie.)

(**Fauvel, 13**; *Platyprosopus* nouveau d'Afrique.)

(**Fauvel, 19**; Trois Staphylinides nouveaux de Barbarie.)

(**Fleutiaux, Ed., 4**; Elateridae.)

(**Mollandin de Boissy, 2**; *Copris* d'Algérie.)

(**Petri, 3**; Bestimmungs-Tabelle der . . . Gattung *Lixus* Fab. aus Europa und den angrenzenden Ländern.)

(**Peyerimhoff, 8**; *Acidota* et *Cylindropsis* en Algérie.)

(**Peyerimhoff, 9**; Coléoptères du Nord-Africain.)

(**Pic, 44**; *Cardiophorus* de Syrie.)

(**Pic, 52**; Les *Dasyceus* algériens.)

(**Ragusa, 7**; Coleotteri nuovi o poco conosciuti della Sicilia.)

(**Reitter, 26**; Siebzehnter Beitrag zur Coleopterenfauna von Europa und den angrenzenden Ländern *fb.*)

(**Reitter, 30**; Neue . . . in Kleinasien gesammelte Coleopteren.)

(**Stierlin, 2**; Sicile, *Curculionides*.)

(**Vitale, 4**; Sicilia, *Coccinellidi*.)

Hymenoptera.

Forel, 1; Asia Minor and Dobrudscha list, *Camponotus* sp. n.

Tavares, 2; Portugal, *Timaspis* sp. n.

Mercet; Spain, *Gorytes* and *Stizus*, 7 spp. n.

Dusmet, 2; *Coelioxys* of Spain.

Eaton; Burgos, *Aculeata* during eclipse of sun.

Dusmet, 1; Albarracin, Calamoscha and Calatayud, list.

Garcia, Mercet; *Ammophila*, 3 spp. n.

(**Berthoumieu, 3**; Ichneumonien de l'Espagne.)

Mantero, 1; Isola del Giglio, Catalogo, Parte 1, *Chrysididae* and *Aculeata*.

Mantero, 2; Liguria, *Cynipidae* catalogue.

De Stefani Perez, 1; Sicily, *Cynips* sp. n.

Schulz, W. A., 2; Creta, Catalogue, annotated, *Halictus* sp. n.

Garcia, Mercet; Tangier, *Ammophila* sp. n.

Berthoumieu, 1; Algérie, *Ichneumonidae* 4 spp. n.

Konow, 2; Algeria, *Lophyrus* sp. n.

Surcouf, 1; Littre (Algérie), *Mutiles*.

Kohl, 1; Erdschias-Dagh, Asia Minor, list, 19 spp. n., *Tenthredinidae*, *Ichneumonidae*, *Alastor*, *Apidae*.

Schulz, M. A., 3; Taurus, *Aulacus* sp. n.

Lepidoptera.

Mendes; Portugal, *Microlep*, Catalogue.

Vieilledent; Setubal, list.

Mabille, 2; Spain, *Caradrina* sp. n., *Ellopiia* sp. n., gen. n. aff. *Rhaphiptera*.

Püngeler, 2; Andalusia, *Hadena* sp. n.

Sheldon; Central Spain, excursion.

Chrétien, 2; Guadarrama, *Solenobia* sp. n.

Fountaine; Central Aragon, *Melitaea desfontainii* and *M. aurinia iberica*, (42), Entomologist, 1906.

Jones, A. H.; also **Prout, 1**; Balearic islds., short list.

Costantini; Modenese e Reggiano, 18 varr.

Rostagno; campagna romana, note.

(**Krüger**, 1, 2; Beitrag zur Lepidopteren-Fauna Siciliens.)

Galvagni; Ins. Grado, *Conchylis* sp. n.

Spröngerts; Über Dalmatien nach der Herzegowina und Bosnien, Verzeichniss.

Schawerda; Bosnien und Herzegowina, novelties, Wien Verh. Zool.-bot., Ges., 1906, (650); and **Neustetter**, T.c. (652).

Rebel, 2; Morea Nachtrag 2. 5 spp. n.

Bartel, 1; Algier, *Acidalia* sp. n.

Fontaine; Algeria, *Rhopalocera*.

Mabille, 2; Algérie, list, *Costalbella*, *Euzophara*, *Ambesa*, *Euscleraemon*, sp. n.

Lucas, 3; Tunis, *Lymantria* sp. n.

Walsingham, 2; Egypt, *Stagmatophora* sp. n.

Willcocks; Injurious to the cotton plant in Egypt.

Rebel, 10; Crete and Egypt, *Agrotis*, *Larentia*, *Orsonoba*, *Cochlidion*, 5 spp. n.

(**Blachier**, 3; Lépidoptères du Maroc.)

Graves; Syria, *Rhopalocera*, excursion, (124-126, 149-152), Ent. Rec., 1906.

Rebel, 8; Palästina, *Orsonoba* sp. n.

Gauckler, 1; Palästina, Beiträge zur Lepidopterenfauna.

Rebel, 5; Erdschias-Dagh Asia Minor, list, spp. n., *Polia*, *Dyapessa*, *Lita*, *Rhinosis*, *Megacraspedus*, *Symmoca*, *Scythris*, *Atychia*.

(**Chrétien**, 5; Lépidoptère nouveau, dg.)

Trichoptera.

Morton, 4; N.W. Spain, *Adicella* sp. n.

Morton, 3; Sicily, short list.

Lucas, 6; Spain, short list.

Navás, 2; Spain, *Nemopterides* gen. n.

Navás, 1; Italia mer., short list.

Bischof; Erdschias-Dagh Asia Minor, *Neuraptora* s.l., list.

Syria *Ascalaphidae* and *Myrmeleonidae*, vide Caucasus, etc.; **Klapalek**.

Diptera.

Becker, 2; *Usia*, revision, with 10 spp. n.

Tavares, 1; Portugal, *Cecidomyiidae* 2 spp. n.

Tavares, 4; Portugal, *Macrolabis* sp. n.

(**Corti**, E.; Alcuni Ditteri del Portogallo.)

Strobl, 1; Spain, 59 spp. n.

Tavares, 8; Spain, *Cecidomyiidae* 3 spp. n.

Kieffer, 9; Italy, *Rhabdophaga* sp. n.

Kieffer and **Cecconi**; Sicily, on *Mangifera indica* at Palermo, *Cecidomyiidae* gen. n.

Becker, 1; Algeria, Tunis and Tangier, *Stratiomyiidae* 7 spp. n., *Bombyliidae* 25 spp. n., *Leptis* sp. n., *Mydasidae* sp. n., *Asilidae* 12 spp. n.

Sack, in **Graeffe**; Tunis, list, *Mulio* sp. n.

Roubaud, 10; Biskra, *Simulium* sp. n.

Neveu Lemaire, 1; Suoz, *Taenio-rhynchus* sp. n., list of N. African *Culicidae*.

(**Neveu-Lemaire**, 3; *Stegomyia* de Maroc.)

Bischof; Erdschias-Dagh Asia Minor, spp. n., *Tipula*, *Gonia*, *Micropalpus*, *Pseudomimetho*, *Platystoma*.

Hemiptera-Heteroptera.

Reuter, 5; Greece, Asia Minor, Syria, Egypt, *Capsidae*, 16 spp. n.

Royer, 2; Majorca list.

Horváth, 5; Biskra and Syria, *Odontotarsus* spp. n.

Horváth, 9; Erdschias-Dagh Asia minor, *Heteroptera* and *Homoptera*, 10 spp. n., *Peribalus*, *Tingis*, *Grypocoris*, *Cyphodema*, *Macrotelus*, *Sileneurus*, *Orgierius*, *Hysteropterum*.

Aphidae.

Del Guercio; Italy, gen. n. near *Vacuna*.

Coccidae.

Leonardi, 1, 3; Valencia botanic garden, *Aonidia* sp. n.

Franceschini; Italia, *Diaspis pentagona*.

Leonardi, 1; Italy, *Aonidiella* sp. n.
Berlese and Silvestri; Italy, *Lecanites* gen. n.
Marchal, 3; Algérie, *Lécanides* gen. n., sp. n.

Odonata.

Bentivoglio; Sardinia, list, *Annuario Mus. zool. Univ. Napoli*, **1**, No. 35, (1-7).
Bentivoglio; Italia meridionale, list, *T.c.*, No. 32, (1-12).

Orthoptera.

Tavares, 6; Portugal, *Phasmodae* of.
Burr; Dalmatia and Montenegro, *Entomologist*, 1906, (169-172).
Werner, 4; North Africa and Syria, *Blattidae*, *Mantidae*, *Aceridiidae*, *Gryllidae* spp. n.
Bolívar, 3; Sahara, *Leptynia* sp. n.
Bolívar, in, **Foureaux**; Sahara, *Erenicaphila* sp. n., *Leptynia* sp. n.
Werner, 3; Erdschias-Dagh Asia minor, list.

Thysanura and Collembola.

Navás, 6; Spain and Portugal, *Lepisma* and *Ctenolepisma* sp. n.
Pitarque; Saragossa, *Collembola*, list of.
Börner, 4; Kairo, *Cyphoderus* sp. n.

(h.) **Caucasus, West and Central Asia.**

Coleoptera.

Petri, 2; *Lixus* 2 spp. n.
Semenov, 2; *Analecta coleoptero-logica*.
Semenov, 4; *Physetops* sp. n., distribution géographique. (Russ.)
Reitter, 9; Zentr. und Westkaukasus, *Campylus* spp. n.
Casey; Caucasus *Leptacinodes perexilis* sp. n.
Koenig; Caucasus, novelties and localities, *Blaptini* gen. n., *Omophlus* sp. n., *Phytoecia* sp. n.
Semenov, 1; *Coleoptera heptopotamica*, (3-4), *Badister*, *Leistus* sp. n.
Pic, 28; Perse, Buchara and Thibet, *Malachius*, *Anthicus*, *Kytorrhinus*, *Dorcadion*, sp. n.

Pic, 39; Persia *Cerambycidae* list, *Strangalia* sp. n.

Portevin, 2; Perse, *Silphides*, list.

Sicard, 2; Perse, *Coccinellides*.

Buysson Du, H., 2; Perse, *Cardiophorus* and *Silesis* sp. n.

Desbrochers, 4; Bagdad, *Sharpia* sp. n.

Ganglbauer, 2; Persia, *Amphicomma* sp. n.

Lesne, 5; Sokotra, *Bostrychidae* 2 spp. n.

Reitter, 11; Balduchuan, *Oedichirus* sp. n.

Pic, 5; Turkestan, *Anthicus* sp. n.

Poppius, 4; Askabad *Pogonus*, *Altai Pterostichus*, spp. n.

(**Choubaut, 12**; Deux Coléoptères nouveaux de l'Arabie.)

(**Fauvel, A., 7**; Staphyliiuides nouveaux du Sinaï et de la mer Rouge.)

(**Pic, 47**; Genre *Adoretus*, ei.)

Hymenoptera.

Mocsáry, 1; Alai mts., *Coelonites* sp. n.

Kokonyew, 1; Centr. Asia, inc. desert, Gobi, *Vipio* 4 spp. n.

(**Ashmead, 4**; Two new *Myrmicidae*, Russian Turkestan.)

Mayr; Jemen, *Ceratostolen* spp. n.

Lepidoptera.

Slevogt, 2; Einige asiatische Lepidopteren.

Püngeler, 3; W. Asia, *Diacrisia* sp. n., *Noctuidae* 30 spp. n.

Dietze, 1; Kasikoparan and Ordubad, *Eupithecia* 2 spp.

Tschetverikow, Verzeichnis, Küsten des Aral-Sees. (Russ.)

Suschkina; Tarbagataï, *Argynnis*-Form.

Hampson, 1; Aden, *Pyrallis* sp. n., *Constantia* sp. n.

Neuroptera.

Klapálek, 1; Persia and Syria, *Myrmeleonidae* *Ascalaphidae* list.

Diptera.

Becker, 4; Gobi, Tjanschanj, Tibet, *Timia* spp. n.

Giles, 2; North Arabia *Mausonia* sp. n.

Aphaniptera.

Rothschild, N. C., 3; Ancouza Centr. Asia, *Chaetopsylla* 2 spp. n.

Hemiptera-Heteroptera.

Jakovlev, 3; *Byrsinus*, russo-asiatique, sp. n. (Russ.)

Horváth, 10; Persia, *Mustha* 2 spp. n.

Orthoptera.

Azam, 1; Caucasus, *Forficula* sp. n.

Africa.

Insecta.

Sjöstedt; Kilmandjaro summit, traveller's account.

Balfour, 3; Khartoum, biting and noxious insects other than mosquitoes.

Meunier, 8; Zanzibar, copal Ins., *Hym.* and *Dipt.*

Silvestri, 3; Eritrea, *Eutermes* sp. n. *Termitodiscus* sp. n., *Thaumatoxena* sp. n.

Coleoptera.

Arrow, 3; Trop. Africa, *Passalidae* 7 spp. n.

Bernhauer, 1; *Staphylinidae* 11 spp. n.

Bourgeois, 5; *Lycus* 3 spp. n.

Gestro, 4; *Hispidae* 11 spp. n.

Gestro, 6; *Ichthyurus* 6 spp. n.

Jacoby, 4; *Malticinae* and *Galerucinae* 59 spp. n.

Jacoby and Clavareau; *Peploptera* 3 spp. n.

Kerremans, 3; *Buprestidae* spp. n.

Kolbe, 1; *Daemonophus muizeeki* is not African.

Lesne, 5; Trop. Africa, *Micrapate* and *Xylionulus* 2 spp. n.

Lesne, 6; *Sinoxylinae* revision, 14 spp. n.

Lewis, 1; *Histeridae* 3 spp. n.

Lewis, 2; *Histeridae* 5 spp. n.

Nonfried; S. Africa, Angola and Zambesi, 4 spp. n., *Coniopholis*, *Synclitopa*, *Spaarmania*.

Obst, 1; *Anthia* 2 spp. n.

Pic, 17; *Zygia* and *Dinometopus*, spp. n.

Pic, 26; *Idgia*, exotique.

Schenkling, 1; *Cleridae* spp. n.

Schwarz, 3; *Tarsalgus* and *Dicronychus* 4 spp. n.

Sternberg, 1; *Anthia*, *Eccoptoptera*, spp. n.

Arrow, 2; Portuguese W. Africa, *Lamellicornia* 9 spp. n.

Fauvel, 5; Guinée espagnole, *Staphylinidae* 4 spp. n.

Fleutiaux, 2; Africa occ. *Ischiodontus* sp. n.

Gestro, 5; Africa occ.; Catalogue of African *Hispidae*, 16 spp. n.

Griffini, 2; Africa occ. *Lucanidae* list.

Kerremans, 4; Africa occ., list, *Coraeus* and *Agrilus* 5 spp. n.

Lesne, 12; Africa occ., *Bostrychidae* list, 2 spp. n., *Sinoxylon* and *Apate*.

Lewis, 4; Africa occ., *Histeridae* list 9 spp. n.

Olivier, 2; Afrique occ. *Diaphanes* 2 spp. n.

Orbigny, 1; W. Africa *Onthophagus* sp. n.

Pic, 35; Afrique occ. *Silis* 2 spp. n.

Sternberg, 3; W. Africa, *Anthia*.

Weise, 2; Cameroons *Coccinellidae* gen. n.

Weise, 6; Cameroons *Asbecesta* 2 spp. n.

Pangella; Ruwenzori, *Passalidae* sp. n.

Schilsky, 1; Usambara *Mordellidae* 2 spp. n.

Olivier, 4; E. Africa *Luciola* sp. n.

Pic, 33; Afrique or. *Cantharis* 2 spp. n.

Pic, 4; Afrique orientale *Laius*, *Notoxus*, *Formicomus*, *Coryna* sp. n.

Régimbart, 1; Afrique orientale, *Halipidae*, *Dytiscidae*, *Gyrinidae*, *Hydrophilidae*; 48 spp. n.

Schubert, 1; Deutsch-Ostafrika, *Staphylinidae* 10 spp. n.

Spaeth, 1; ostafrikanischen *Cassiden* 7 spp. n.

Weise, 5; East Africa *Chrysomelidae* and *Coccinellidae*, 24 spp. n.

Grouvelle, 2; Afrique orientale, *Dryopidae*, *Helminthidae*, *Heteroceridae*; 13 spp. n.

Grouvelle, 8; Angola *Nitidulidae* gen. n.

Lesne, 4; Abyssinie et Afrique or. *Bostrychides* et *Ulérides*, liste.

Lesne, 15; Abyssinie 4 spp. n.; *Demagoyus*, *Helicocypis*, *Onitis*, *Pygoneschema*.

Moser, 2; E. Africa *Pachnoda* sp. n.

Moser, 3; E. Africa *Leucoceles* sp. n.

Casey; S. Africa *Alcocharinae* and *Xantholinini* spp. n.

Distant, 21; S. Africa *Cerambycidae* 6 spp. n. [Jordan] S. Africa *Cerambycidae* 7 spp. n.

Hartmann; Transvaal *Cureulionidae* 19 spp. n.

Marshall, G. A. K.; S. Africa *Scioebius* 22 spp. n.

Obst, 2; Sudwest - Afrika *Julodis* 3 spp. n.

Schwarz, 4; Natal *Beliophorus* sp. n.

(Fairmaire, L., 3; Goliathide de l'Ukani.)

(Fauvel, 14; *Staphylinidae*.)

(Fauvel, 20; *Staphylinidae* nouveaux d'Afrique tropicale.)

(Lesne, 20; *Bostrychides* africains nouveaux.)

(Orbigny, 2; *Onthophagides*.)

(Péringuey, L. *Cicindele* nouvelle.)

(Pic, 40; Malacoderme nouveau.)

Hymenoptera.

Buysson du, R., 5; East and West Africa, *Masariidae*, *Eumenidae*, *Vespidae*, *Chrysidae*; 10 spp. n.

Du Buysson du, R., 3; *Vespidae* 3 spp. n.

Kohl, F. F., 2; Africa incl. S. Africa, 14 spp. n. *Pompilus*, *Nortonia*, *Iabus*, *Trypoxylon*.

Schulz, W. A., 3; Tropical Africa, *Erythropimpla* sp. n., *Acerenus* sp. n., *Allodapa* sp. n.

Szépligeti, 1; *Ichneumonidae* spp. n.

Szépligeti, 2; *Braconidae* nombreux spp. n.

Enderlein, 5; Fernando Po, *Evania* sp. n.

Enderlein, 6; Guinea *Cardiophiles* sp. n.

Enderlein, 10; Kamerun, *Neostephanus* sp. n.

Kieffer, 4; Afrique occ., n.g. *Proctotrypidae*.

Mayr; Kamerun, Feigen-Insekten, 7 spp. n.

Schulz, W. A., 4; Fernando Po, *Belonogaster*, *Eumenes*, *Philanthus*, *Cryptochilus*, *Pseudagenia*, *Neotrimorus*, *Atanycolus*, *Platybracon*, *Bucheckerius* gen. n. Ichn., *Henicospilus*, *Cymatoneura*, *Stephanus* spp. n.

Magretti; Eritrea *Mutillidae*, 17 spp. n.

Mocsáry, 1; Africa centr. &c., *Synagris* 2 spp. n.

Brauns; S. Africa, *Fossoria* 10 spp. n.

Brues, 3; Cape Colony, *Proctotrypidae* and *Chalcididae* 10 spp. n.

Cameron, 2; Cape Colony, *Asphragis* sp. n.

Cameron, 4; Natal, *Gabunia* sp. n.

Cameron, 19; Cape Colony, *Dryinus* sp. n.

Cameron, 26; Cape Colony, *Apidae* 3 spp. n., *Ceramius* sp. n., *Oxybelus* sp. n., *Xenolytus* sp. n., *Carinisculis* sp. n., *Evania* sp. n.

Cameron, 27; Cape Colony, *Bracon* and *Apanteles* sp. n.

Cameron, 28; Cape Colony, *Hymenobosmina* sp. n.

Cameron, 29; S. Africa, *Hym. parasitica* 187 spp. n.

Cameron, 30; S. Africa, *Chrysididae* 6 spp. n.

Enderlein, 9; Capland, *Melecta* sp. n.

(André, 2; Mutilles du Transvaal.)

(Buysson Du, R., 3; Espèces nouvelles, fg.)

(Vachal, 5; Hyménoptères du Congo français.)

Lepidoptera.

Bethune-Baker, 3; *Lycanidae*, *Hesperidae*, *Taragama* and *Catephia* spp. n.

Hampson, 1; *Thyrididae* and *Pyrallidae* spp. n.

Hampson, 2; *Hydrocampinae* 15 spp. n.

Hampson, 3; *Cucullianae* 9 spp. n.

Lathy, 4; *Rhopalocera* 10 spp. n.

Rothschild and Jordan, 1; *Sphingidae* 3 spp. n.

Swinhoe, 2; *Bombyces*, 11 spp. n., *Accolysis* sp. n.

Schultze; Kamerun, *Pseudacraea* spp. n.

Rothschild and Jordan, 2; Ashanti, *Sphingidae* 2 spp. n.

Meyrick, 2; Sierra Leone, *Imma* sp. n.

Aurivillius, 9; Congo, *Bombyces* s.l., 6 spp. n.

Niepert, 1; Kongo, *Euphaedra* sp. n.

Niepert, 2; Kongo, *Xanthospilopteryx* sp. n.

Rebel, 9; Kongo, *Pseudaphelia* sp. n.

Rothschild, W., 1; Angola *Bunaea* sp. n.

Rebel, 3; Victoria Nyanza, *Nudaurelia* and *Bunaea* sp. n.

Sharpe; Uganda, *Aeracidae* 2 spp. n.

Bethune-Baker, 2; E. Africa, *Lycaenidae* and *Hesperiidae*, 10 spp. n.

Heyn; Ost-Afrika, *Deilemera* sp. n.

Rebel, 11; Deutsch-Ostafrika *Semioptila* sp. n.

Rebel, 13; Zanzibar, *Neocoenyra* sp. n.

Wichgraf; Hinterland der Delagoa-Bay, *Gastrophylacis*, *Nudaurelia* sp. n.

Distant, 21; Transvaal, *Hippotion osiris*, and gen. n. *Striplinopterygidae*.

Jordan, 4; Natal, *Aegocera* sp. n.

Lathy, 3; Rhodesia, *Charaxes* sp. n.

Trimen; S. Africa, *Rhopalocera* 2 spp. n.

Trichoptera.

Ulmer, 3; W. Africa and Orange Free State, 3 spp. n.

Neuroptera.

Klapálek, 2; Guinea española, *Dicolpus* sp. n.

Weele, 6; Kamerun, *Planipennia* 4 spp. n.

Enderlein, 19; E. Africa. *Coniopterygidae* 6 spp. n.

Diptera.

Hermann; S. Africa and E. Africa, *Asilidae* 3 spp. n.

Neveu-Lemaire, 1; Afrique tropicale, *Culex* 4 spp. n., *Aedeomyia* sp. n.; list of African *Culicidae*.

Theobald, 9; Sudan, *Culicidae* sp. n., gen. n.

Grünberg, 2; Tropical Africa, *Tabanidae* 4 spp. n., gen. n.

Surcouf, 2, 3, 4; *Tabanus* 7 spp. n.

Ricardo, 1; *Haematopota* of Africa, 10 spp. n.

Grünberg, 1; Ostafrika, Westafrika, blutsaugende *Muscides* 7 spp. n.

Grünberg, 4; *Oestridae* 2 spp. n.

Stein, 1; *Anthomyiidae*, with many spp. n.

Dudgeon, 2; W. Africa, *Tabanidae* and *Muscidae*, short list.

Roubaud, 6; Sénégal, *Lyperosia* 2 spp. n.

Meijere, de, 1; Cameroons, *Milichia* and *Oscinis* 3 spp. n.

Roubaud, 10; Angola, *Simulium* sp. n.

Austen, 5; Sudan, *Tabanidae* 2 spp. n.

Neveu-Lemaire, 2; Soudan, *Phlebotomus* sp. n.

Theobald, 8; Sudan, *Hippoboscidae* sp. n. (?).

Theobald, 9; Sudan, *Culicidae* 4 spp. n., *Lipoptera* sp. n.

Bezzi, 5; Eritrea, *Orthorrhapha* 28 spp. n.

Adams; Rhodesia, 78 spp. n., *Tabanidae*, *Asilidae*, *Systropus*, *Lonchoptera*, *Syrphidae*, *Pipunculus*, *Sepedon*, *Ortaliidae*, *Trypetidae*, *Sapromyzidae*, *Sepsidae*, *Ephydriidae*, *Drosophilidae*, *Osciinidae*, *Agromyzidae*, *Borboridae*, *Muscidae*.

(**Theobald, 8;** Mosquitoes of Egypt, the Sudan and Abyssinia.)

Aphaniptera.

Rothschild, N. C., 5; Khartoum, *Pulex* sp. n.

Jordan and Rothschild, 1; *Echidnophaga* 3 spp. n.

Hemiptera.

Bergroth, 4; E. Africa, 5 spp. n. *Pentatomidae*, *Pyrrhocoridae*, *Reduviidae*.

Bergroth, 7; Zanzibar, *Halovelia* sp. n.

Breddin, 3; Togo, *Catadipson* sp. n.

Distant, 3; Transvaal, *Taipinga* 2 spp. n.

Distant, 12; Brit. E. Africa, *Eddara* sp. n.

Distant, 20; Sierra Leone, *Orycaenus* 2 spp. n.

Distant, 13; *Fulgoridae* 4 spp. n.

Distant, 14; S. Africa, *Hermolaus*, *Antestia* gen. n., *Pephricus*, gen. n. *Heterogastrinae*, *Pisma*, *Cerilocus* spp. n.

Distant, 17; S. Africa, *Narina* 2 spp. n., *Fulgoridae* 3 spp. n.

Distant, 15; Abyssinia, *Dictyophara* sp. n.

Distant, 21; Transvaal, *Cicadidae* gen. n.

Bowhill; S. Africa, *Acanthia pipistrelli*.

Horváth, 4; Africa orient., *Plinthisus* sp. n.

Reuter, 3; Kapland, *Capsidae* gen. n.

Kirkaldy, 9; Gold Coast, *Scaphoideus*, *Oliarus*, sp. n.

Kuhlgatz, 2; Westafrika, *Capsidae* gen. n.

Melichar, 1; *Issides* Monographie, spp. n.

Reuter, 2; Congo, *Helopellis* sp. n.

Reuter, 7; East Africa, *Capsidae* 16 spp. n.

Reuter, 11; Sierra Leone and S. Africa, *Capsidae* 7 spp. n.

Schmidt, Edmund, 1; *Fulgoridae* 12 spp. n.

Schouteden, 1; Eritrea, *Reduviidae* 2 spp. n.

Schouteden, 2; Abyssinie et pays des Somalis, *Reduviidae* 9 spp. n.

Schouteden, 7; W. Africa, *Toxoptera* sp. n.

Aphidae.

Schouteden, 8; *Aphis* sp. n.

Psocidae.

Enderlein, 13; Deutsch - Ostafrika, *Amphipsocus* sp. n.

Meunier, 1; *Psocidae*, Copal Zanzibar.

Mallophaga.

Kellogg, 7; Transvaal, *Laemobothrium gypsis* sp. n.

Odonata.

Förster, 2; 12 spp. n.

Förster, 3; *Libellen*, Galla u. die Somaliländer, Forschungs Südschoa, 14 spp. n.

Martin, 1; Brit. E. Africa, 6 spp. n.

Orthoptera.

Borelli, 5; Ruwenzori *Forficulidae* 4 spp. n.

Shelford, R., 1; W. Africa, *Blattidae* 3 spp. n.

Brunner and Redtenbacher; *Phasmodae*, general work, spp. n.

Bolivar, 1; Africa generally, *Phasgonuridae* spp. n.

Werner, 1; Tropical Africa, *Mantidae* 10 spp. n.

Burr, 2; Guinea española, *Dermaptera* 2 spp. n.

Griffini, 3; Africa occ., *Locustidae*, list, 4 spp. n.

Thysanura.

Escherich, 2; Stanleyville, *Atelura* sp. n.

Madagascar and Mascarene Islands.

Coleoptera.

Bernhauer, 1; *Philonthus* and *Tachinoderus* sp. n.

Chobaut, 1; *Blattivornus* sp. n.

Fairmaire, 2; *Hétéromères* 23 spp. n.

Fleutiaux, 1; *Adelocera* sp. n., *Dulius* gen. n.

Grouvelle, 1; Madagascar, La Réunion, *Nitidulidae* 29 spp. n., *Colydiidae*

22 spp. n., *Cucujidae* 8 spp. n., *Monotomidae* 2 spp. n., *Cryptophagidae* 18 spp. n., *Mycetophagidae* 3 spp. n., *Potamophilidae*, *Dryopidae* and *Helminthidae* 16 spp. n., *Heteroceridae* 6 spp. n.

Lesne, 6; *Sinoxylinae*, revision, 2 spp. n.

Lesne, 7; *Pachyelater* spp. n.

Lewis, 1; *Notolister* sp. n.

Lewis, 2; *Ilisteridae* 5 spp. n.

Meyer-Darcis; *Polybothris* 2 spp. n.

Pic, 17; Ile Bourbon, *Donaldia* sp. n.

Pic, 33; *Cantharis* sp. n.

Schenkling, 1; *Cleridae* spp. n.

Weise, 4; *Coccinelliden* 4 spp. n.

(**Béguin-Billecocq, 1**; Nouvelle espèce de *Piezotrachelus*.)

(**Béguin-Billecocq, 2**; Espèces nouvelles d'*Apion*.)

(**Béguin-Billecocq, 5**; *Apionidae* de la région malgache, (134-159).)

(**Fairmaire, 7**; *Cicindélides* et *Cara-bides* nouveaux . . .)

(**Fauvel, 16**; *Staphylinides* nouveaux . . .)

(**Flautiaux, 6**; *Sternotomis* de Mohéli.)

(**Flautiaux, 5**; *Cardiophorus* nouveau.)

(**Grouvelle, 6**; *Taeniphloeus* nouveau . . .)

(**Pic, 4**; Coléoptères nouveaux . . .)

Hymenoptera.

Buysson, R. du, 5; *Parnopes* sp. n.

Enderlein, 8; *Braunsia* sp. n.

Kohl, F. F., 2; Madagascar, *Phanerotoma* sp. n., Mauritius, *Sceliphron* sp. n.

Krieger; *Theronia* sp. n.

Szépligeti, 1; Nossi-Bé, *Henicospilus* sp. n.

Szépligeti, 2; Nossi-Bé, *Iphianlax* sp. n.

Lepidoptera.

Bethune-Baker, 2; *Zizera* sp. n.

Hampson, 3; *Empusa* sp. n.

Joannis, 1; Ile Maurice et Iles Comores, 12 spp. n., *Syntomidae*, *Noctuidae*, *Geometridae*, *Pyrilidae*.

Neuroptera.

Kolbe, 2; *Palpares* 3 spp. n.

Diptera.

Roubaud, 9; *Simulium* 2 spp. n.

Stein, 1; *Anthomyiidae* 4 spp. n. and Bourbon *Lispa* sp. n.

Meunier, 7; *Toxorhina* du copal récent.

Ventrillon, 1; *Culex* 2 spp. n.

Ventrillon, 2; *Stegomyia* sp. n.

Ventrillon, 3; *Celia* sp. n.

Ventrillon, 4; *Culicidae* 2 spp. n., *Pseudoheptaphlebomyia* and *Culex*.

(**Ventrillon, 5**; *Culicoides* nouveaux.)

Hemiptera.

Bergroth, 4; Comoro islds., *Sepina* sp. n., *Callibaphus* sp. n.

Bergroth, 3; Madag. and Comoro Ins., *Pentatomidae* and *Reduviidae* 12 spp. n.

Bergroth, 9; *Coreidae* gen. n., *Agraphopus* sp. n., *Lygaeidae* gen. n.

Bergroth, 10; *Ploeariinae* gen. n.

Reuter, 11; Bourbon, *Sthenarus* sp. n.

Distant, 13; *Fulgorinae* gen. n.

Melichar, 1; *Issides* gen. n., spp. n.

Schmidt, Edmund, 1; *Pochazoides*, *Phyma*, *Ormenis*, sp. n.

(**Schouteden, 12**; Neue Pentatomiden aus Madagaskar.)

Odonata.

Förster, 2; Réunion und Madagaskar *Pseudagrion* 2 spp. n.

Orthoptera.

Borelli, 4; *Chactospania* sp. n.

Shelford, R., 1; *Theganopteryx* sp. n.

Brunner and Redtenbacher; *Phasmidae*, general work, spp. n.

Thysanura and Collembola.

Silvestri, 2; *Machiloides* sp. n.

Bosner, 4; Seychelles, *Lepidocyrtus* sp. n.

Asia, Tropical and East.

Insecta.

Matsumura, 5; Tropical insects in Japan; distribution of. (Japanese.)

Coleoptera.

Buchara *vide etiam* Palaearctic.

Schenkling, 1; *Cleridae* spp. n.

Tschitschérine; *Harpalini* de l'Asie orientale, *Amaroschesis*, *Asmerinus*, *Harpalus* spp. n.

Reitter, 1; Chinese Turkestan, *Hydrous* sp. n., Source of the Indus, *Hydrous* and *Rhytinota* spp. n., *Tentyrini* gen. n.

Lewis, 3; India, China, Japan, *Histeridae* 4 spp. n.

Pic, 17; Japon, *Sandalus* and *Trichodesma*; Yunnan, *Phytoecia*; Pondichéry *Malegia* sp. n.

Pic, 22; Yunnan, *Attalus*; "Indes," *Malthodes*; Saigon, *Formicomus*.

Pic, 25; Malabar and Chine, *Pyrochroides* 2 spp. n.

Lesne, 5; India, Burma, Tenasserim, Ceylon, *Bostrychidae* 4 spp. n.

Pic, 33; Indes, Tonkin, Chine, *Telephorides* 18 spp. n.

Lesne, 6; Birmanie, Indo, Tonkin, *Sinoxylinae*, revision, 6 spp. n.

Lewis, 1; India, Burma, Yunnan, *Histeridae*, 3 spp. n., Japan, *Platysoma sibiricum*.

Gestro, 7; India, Ceylon, Burma, Malacca Liou-Kiou ins., *Ichthyurus* 15 spp. n.

Gahan, 1; India, Ceylon and Burma, *Cerambycidae*, descriptive work.

Nonfried; Nepal, Siam, Manipur, Nord-West-Chine, *Lepidiota*, *Schönherria*, *Rhomborrhina*, *Trichius*.

Pic, 16; Pondichéry, *Anthicus* sp. n., Birmania, *Formicomus* sp. n.

Jordan, 2; India, *Anthrribidae* 4 spp. n.

Lewis, 2; India, *Apobletes* sp. n.

Maindron, 3; India, *Lasiocera* 2 spp. n.

Moser, 2; India, *Taeniodera* sp. n.

Pic, 18; Inde, *Xamercus* sp. n.

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Pic, 26; Iles Andaman *Macrosiagon*, Indes Idgia.

Stebbing, 2; Indian *Lamellicornia*, introductory.

Weise, 7; Ostindien, Zwei neue Hispiden.

Arrow, 3; Assam, *Chilomazus* sp. n.

Maindron, 1; Assam, *Pheropsophus* sp. n.

Pic, 8; Kashmir, *Anthicus* 2 spp. n.

Reitter, 20; Kaschmir, *Laena* 3 spp. n.

Schilsky, in Küster and Kraatz, 2; Kashmir, *Eulobonya*, *Anaspis*, *Rhynchites* sp. n.

Schubert, 2; Kaschmir, *Staphylinidae* 8 spp. n.

Zang, 3; Kaschmir, *Dorcus* 2 spp. n.

Maindron; Yunnan, *Nebria* sp. n. *Carabus* sp. n.

Moser, 3; Yunnan, *Hybovalgus* sp. n.

Pic, 13; Yunnan, Idgia and Cantharis sp. n.

Grouvelle, 4; Burma, *Epuraea* 2 spp. n.

Jacoby, 5; Malay penins., list of *Chrysomelidae*.

Jacoby, 6; Malay States, list of *Chrysomelidae*.

Gahan, 2; Selangor and Perak, *Longicorniae* 19 spp. n.

Möllenkamp, 2; Malakka, *Allotopus* sp. n.

Möllenkamp, 3; Perak, *Cyclommatus* sp. n.

Ritsema, 1; Chine, *Helota* sp. n.

Pic, 7; Cochinchine, *Caryoborus* sp. n.

Fleutiaux, 2; Tonkin, *Adelocera* 2 spp. n.

Gestro, 8; Tonkin, *Ichthyurus* 2 spp. n.

Pic, 2; Tonkin, *Silis* sp. n.

Gestro, 4; India, Malacca, Tonkin, *Hispidae* 5 spp. n.

Grouvelle, 3; Cambodia and Yunnan, *Prometopia*, *Microdes* spp. n.

Portevin, 1; Japan, *Silphidae* 8 spp. n., Sikkim *Silphidae* 6 spp. n.

Schilsky, in Küster and Kraatz, 1; Japan and N. China, *Curculionidae*, *Bruchidae*.

- Sicard, 1; Japon central, *Coccinellides*.
 (Aurivillius, 2; *ed.*)
 (Allard, P.; *ed.*)
 (Boileau, 2; *Dorcus* nouveau, *ef.*)
 (Boucomont, 3; les *Enoplotrupes* et *Geotrupes* d'Asie. . . .)
 (Bourgeois, 14; Malacodermes et *Lymexylonides*, *ef.*)
 (Bourgeois, 15; *Dascillides* et *Malacodermes*, *ef.*)
 (Bourgeois, 16; *ed.*)
 (Brenske, E.; Coléoptères, *ed.*)
 (Brongniart, Ch.; *Cerambycides*, *ed.*)
 (Fairmaire, 4; *Lagriides*, Bornéo.)
 (Fairmaire, 12; Coléoptères, *ed.*)
 (Fairmaire, 13; *Longicornes* de Tonkin.)
 (Fauvel, A., 6; Staphylinides de l'Hindoustan et de la Birmanie.)
 (Fleutiaux, 7; *Elateridae*, *ef.*)
 (Fleutiaux, 8; Coléoptères, *ed.*)
 (Grouvelle, 7; Coléoptères, *ed.*)
 (Lefèvre, Edouard; Coléoptères, *ed.* (146-157).)
 (Lesne, 21; Coléoptères, *ed.*)
 (Maindron, 10; *Cicindelidae* et *Carabidae* de l'Inde.)
 (Pic, 43; Coléoptères asiatiques nouveaux, *e.*)
 (Régimbart, 7; Coléoptères, *ed.*)
 (Tertrin; Coléoptères, *ed.*)

Hymenoptera.

- Cameron, 25; Kashmir, *Gasterup'ion*, *Pariscus*, *Chalcis*, *Dosytheus*, *Ichogaster*, spp. n.
 Szépligeti, 1; India, Ceylon, Singapore, Malacca, *Ichneumonidae* spp. n.
 Schulz, W. A., 3; Himalaya *Erythropimpla* sp. n.
 Cameron, 23; *Hym. parasitica* and *Tenthredinidae* 33 spp. n.
 Cameron, 24; Baluchistan, *Ichneumonidae* 23 spp. n., *Epyris* sp. n.
 Forel, 3; Himalaya, Catalogue des fourmis, 1 sp. n.
 Cameron, 20; Himalaya, *Ichneumonidae*, *Lareiga* sp. n.

- Cameron, 12; Himalaya, *Braconidae* 3 spp. n.
 Cameron, 13; India, *Ichneumonidae* 8 spp. n.
 Konow, 2; Sikkim and Khasia hills, *Tenthredinidae* 4 spp. n.
 Kieffer, 2; India, *Dryinus* and *Gona'onus* sp. n.
 Enderlein, 6; Ceylon, *Cardiophiles* sp. n.
 Cameron, 33; Ceylon, *Opius* sp. n.
 Krieger; Ceylon, *Theronia* sp. n.
 Szépligeti, 2; Ceylon, *Rhadinobracon*, *Bracou*, 2 spp. n.
 Enderlein, 5; Malacca *Evania* 2 spp. n.
 Enderlein, 10; Malacca, *Diastephanus* sp. n.
 Bingham, 2; Malay States, list.
 Howard, 3; China, *Eucyrtidae* gen. n.
 Mayr; Tongking, Feigen-Insekten 3 spp. n.
 Konow, 5; Tonkin and China, *Tenthredinidae* 2 spp. n.
 Perkins, 9; China, *Tomocera* sp. n.
 Kohl, F. F., 2; Japan, China and Ceylon, *Sceliphron* 2 spp. n.
 Wheeler, 10; Japan, ants of, 8 spp. n.
 Ashmead, 2; Japan *Ichneumonidae* 42 spp. n. *Braconidae* 32 spp. n., China *Pristomerus* sp. n.
 Cameron, 7; Japan, *Anomalon* sp. n., *Campoplex* sp. n.
 (Saussure, H. de, André, Em. et Du Buysson, R. *Hyménoptères*, *ed.*)

Lepidoptera.

- Moore, 1; Baluchistan, *Parassius* sp. n.
 Afghanistan, *Holocercus* sp. n. vide Bang-Haas in Pal.
 Oberthür, 5; Chinese Tibet, *Neptis* 9 spp. n.
 Oberthür, 6; Mou-Pin, *Apatura* sp. n.
 Elwes, Hampson and Durrant; Sikkim and Tibet, spp. n. of *Colias*, *Callerebia*, *Lycaena*, *Anartomorpha*, *Chloridea*, *Isoclora*, *Metalepsis*, *Episilia*, *Araeogy'a*, *Camadena*, *Crambus*, *Phlytaenodes*, *Evergestia*, *Trochilium*, *Plutella*, *Euarmonia*.
 Fruhstorfer, 16; *Euthalia* sp. n.

Meyrick, 2; India, Ceylon, Singapore, Andaman islands, China, *Imma* 17 spp. n., Himalaya gen. n. near *Imma*.

Meyrick, 3; Ceylon and Burma, *Micro-Lepidoptera*, incl. *Ornecodidae*, *Pterophoridae*, 76 sp. n.

Swinhoe, 3; India, *Eupterote*, *Borsippa* and *Pyrausta* sp. n.; Perak *Pompelon* and *Vitessa* sp. n.

Swinhoe, 2; Hong Kong *Pandana* sp. n., Singapore, *Buproctis* and *Lymantria* spp. n., Ceylon, *Lymantria* sp. n., Khasia hills, *Egnasia* sp. n.

Hampson, 1; India, Kashmir, Ceylon, Burma, Singapore, China, *Pyralidae* spp. n.; Sikhim, *Thyrididae* sp. n.

Hampson, 2; India, Andaman islds., Ceylon, Malay penins., *Hydrocampinae* 6 spp. n.

Hampson, 3; India, incl. Tibet, Japan, *Cucullianae* 8 spp. n.

Hampson, 4; India, *Noctuidae* 15 spp. n.

Moore, 2; India, *Pierinae* 10 spp. n.

Young, 1, 3; India, plains of, common butterflies.

Swinhoe, 1; India, *Oxaenanus*, *Epilema*, *Mimomiza*, n. sp., *Pyralidae* spp. n.

Fruhstorfer, 11; Malay penins., *Euthalia* sp. n.

Heylaerts, 2; Tonkin, *Clania* sp. n.

Oberthür, Ch., 3; Annam, *Papilio* sp. n.

Fruhstorfer, 18; Tonkin, Annam and Siam, *Nymphalidae* subspp. n.

Kershaw; China, *Rhopalocera*, illustrated work.

Miyake; Formosa, 6 spp. *Papilionidae* 26 spp., *Nymphalidae* 2 spp., *Pieridae* 6 spp., *Lyceenidae* 5 spp., *Hesperidae* 4 spp. (Japanese.)

Matsumura, 4; Japan and Formosa, *Euploea*, *Satyrus*, *Pararge*, *Ypthima*, *Aphnaeus*, *Lycaena*, *Parnara* sp. n.

Takano; Asama Mountain, *Rhopalocera*. (Japanese.)

Aigner-Abafi, 6; Lepidopterenfauna Japans. (Ungarisch.)

(**Janet, 4**; *Lépidoptères de l'Indo-Chine*)

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(**Oberthür, 10**; Nouvelle espèce de *Sphingides*, eb.)

(**Oberthür, 9**; Nouvelle espèce de *Polycæna*, eb.)

(**Poujade, G. A.**; *Lépidoptères d'Indo-Chine*.)

Trichoptera.

Ulmer, 3; India, N. China and Japan, *Trichoptera* sp. n.; also Verzeichniss der indischen *Trichopt.*

Neuroptera.

Enderlein, 19; Malay States, n. sp. *Coniopterygidae*.

(**Martin, 2**; *Neuropteres*, ed.)

Diptera.

Gobi, Tibet, etc., *Timia* spp. n. vide W. Asia.

Becker, Th., 4; *Timia*, Wied.

Kieffer and Cecconi; on *Mangifera indica* at Palermo *Cecidomyiidae* gen. n.

Meijere, 2; Ceylon, Singapore, Bombay, *Sepsis* spp. n.; Vorder-Indien, gen. n. *Drosophilidae*.

Ricardo, 1; India, Ceylon, Burma, *Haematopota* 6 spp. n.

Ricardo, 2; Darjiling, *Tabanidae* gen. n.

Kertész, 1; Bombay, *Evaza* sp. n.

Stein, 1; Ceylon, *Lispa* sp. n.

Roubaud, 1; Nippon moyen, *Simulium* 2 spp.

(**Bigot, J. M. J.**; *Diptères d'Indo-Chine*.)

Hemiptera-Heteroptera.

Bergroth, 1; Ceylon *Henicocephalus* sp. n.

Distant, 9; British India, incl. Burma and Ceylon, *Anthocoridae* to *Corixidae*, *Cicadidae*, *Fulgoridae*, many spp. n.

Bergroth, 5; Japan, *Lygaeidae* gen. n.

Breddin, 1; Assam, *Colpura* sp. n.

Breddin, 2; Ceylon and Centr. China, *Dieuches* 3 spp. n.

Distant, 18; Ceylon, *Reduviidae* 12 spp. n.

Distant, 19; Ceylon, *Pentatomidae* and *Lygaeidae* 12 spp. n.; Bombay, gen. n. *Tessaratominae*.

Horváth, 1; Bengal, *Stephanitis* sp. n.

Horváth, 2; Cochinchine, *Tingitidae* gen. n.

Carpenter, 1; Ceylon, *Halobates* sp. n.

Matsumura, 2; Japan, *Hydrocorisae* 13 spp. n.

(Noualhier, M. et Martin, J.; *Hémiptères*, ed.)

Homoptera.

Distant, 2; N.W. India, *Cicadidae* 2 spp. n.

Distant, 7; China, *Cicadidae* gen. n.

Distant, 11; Cochin China, *Gudaba* sp. n.

Distant, 12; Perak, *Fulgoridae* gen. n.

Distant, 13; Siam, Cambodia, *Fulgoridae* 2 spp. n.

Matsumura, 3; Riu-kiu, Okinawa, die Hemipteren-Fauna von.

Distant, 15; India and Japan, *Dictyopharinae* 4 spp. n.

Kieffer, 11; Vorder-Indien, *Psyllidae* gen. n.

Melichar, 1; *Issides* Monographie spp. n.

Schmidt, Edmund, 1; Tonkin, *Euphria* 3 spp. n.; Malacca, *Scamandra* sp. n.

Aphidae.

Pergande; Japan, *Aphidae* 3 spp. n.

Coccidae.

Leonardi, 2; Ceylon, *Fiorinae* 6 spp. n.

Anoplura.

Christophers and Newstead; India, *Haematopinus* sp. n.

Psocidae.

Enderlein, 13; Japan, 4 spp. n.

Enderlein, 21; Ceylon, 20 spp. n.; India, 1 sp. n.; Japan, 1 sp. n.

Enderlein, 15; Copeognathen-Fauna Japans, 14 spp. n.

Termitidae.

Desneux, 3; Kashmir.

Odonata.

(Foerster, F.; Libellen von Tonkin.)

Orthoptera.

Brunner and Redtenbach; *Phasmidae*, general work, spp. n.

Burr, 6; India, *Anisolabis* sp. n.

Paiva; India, *Periplaneta* sp. n.

Shelford, R., 1; Bhutan, India, Ceylon, Malay Penins., *Blattidae* 9 spp. n.

Green, 2; Ceylon, *Phyllinae*.

Dohrn, 3; Tonkin, *Hemielimaea* sp. n.

Krausse-Heldrungen; Tonkin, *Gryllacris* sp. n.

Rehn, 6; Tonkin, *Phryganistria*, *Chondrodera*, *Anabropsis*, *Diestrammena* spp. n.

Shiraki, 1; Japan and Formosa, *Blattidae* 7 spp. n.

Matsumura and Shiraki; Japan, *Forficulidae* 3 spp. n.

Shiraki, 2; Japan, *Forficulidae* 5 spp. n.

Thysanura and Collembola.

Escherich, 2; India, genu. n. *Termitophilous*.

Silvestri, 2; Tonkin and China, *Machilidae* 3 spp. n.

Börner, 4; Japan, *Collembola* 2 spp. n.

Asiatic Archipelago.

Insecta.

Fruhstorfer, 17; Bawean, Reisebericht auf der Insel.

Banks, 2; Philippines, *Thosea* sp. n., *Coccidae* 6 spp. n.

Coleoptera.

Grouvelle, 4; *Nitidulidae* 22 spp. n.

Schenkling, 1; *Cleridae* spp. n.

Gestro, 4; *Hispidae* 7 spp. n.

Fleutiaux, 2; Java, *Adelocera* sp. n.

Gestro, 7; Java, *Ichthyurus* sp. n.

Lesne, 5; Java, *Xylopsocus* sp. n.

Pic, 16; Java, *Laius* sp. n.

Sternberg, 2; Java, *Xylotrupes* sp. n.

Pic, 25; Java and Sumatra, *Pyrochroa* sp. n.

Pic, 27; Java et Sumatra, *Idgia* 5 spp. n.

Pic, 25; Java, *Balanophorus*; Sumatra and Amboine, *Carphurus*; Manille, *Anthicus*; spp. n.

Bourgeois, 4; Borneo, *Lyctides* 7 spp. n.

Lesne, 6; Borneo, *Sinoxylon* sp. n.

Moser, 1; Sarawak, *Dasyvalgus* 2 spp. n.

Arrow, 1; Borneo and Sumatra, *Melolonthidae* 3 spp. n.

Grouvelle, 3; Sumatra and Nias, New Guinea, Key Island; *Leptoglyphus*, *Lacmophloeus*, *Enrops*, *Mimemodes*, *Bactridium*; 7 spp. n.

Moser, 3; Borneo, Sumatra, New Guinea, *Cetoniidae* 5 spp. n.

Pic, 33; Borneo, Sumatra, Java, Célèbes, *Telephorides* 7 spp. n.

Möllenkamp, 1; Sumatra *Odontolabis* sp. n.

Maindron, 4; Sumatra *Catascopus* sp. n.

Nonfried; Sumatra, *Leucopholis* and *Anomala* sp. n.

Pic, 2; Samatra, *Discodon* sp. n.

Ritsema, 4; Sumatra, *Coelosterna* sp. n.

Ritsema, 2; West Sumatra, *Ilolota* sp. n.

Ritsema, 3; Sumatra, *Ilolota* sp. n.

Grouvelle, 8; Damina ins. *Nitidulidae* gen. n.

Moser, 2; Philippines, Sumatra, New Guinea, *Cetoniidae* 7 spp. n.

Arrow, 3; New Guinea, *Leptaulacides* sp. n.

Arrow, 4; Nova Guinea, *Lucanidae* and *Scarabacidae*, brief list.

Boileau, 1; New Guinea, *Dorcus* sp. n.

Gestro, 1; New Guinea, *Hispidonta* sp. n.

Flautiaux, 3; Nova Guinea, *Elate-ridae*, brief list.

Horn, 10; Nova Guinea, *Cicindelidae*, short list.

Jacoby, 1; New Guinea, *Chrysomelidae* 4 spp. n.

Jacoby, 2; New Guinea, *Aescernia* sp. n.

Jordan, 3; New Guinea, *Xenocerus* sp. n.

Kerremans, 1; New Guinea, *Agrilus* sp. n.

Lesne, 13; Nova Guinea, *Bostrychidae*, brief list.

Lewis, 1; Lombok, New Guinea, *Histeridae*, 2 spp. n.

Lewis, 2; Mentawai Isld., N. Guinea, *Histeridae* 2 spp. n.

Maindron, 2; N. Guinea, *Colpodes* sp. n.

Régimbart, 3; Nova Guinea, *Dytiscidae*, *Gyrinidae* et *Hydrophilidae*, *Dinectes* sp. n.

Schenkling, 2; Nova Guinea, *Languriidae*, *Endomychidae*, brief list.

Schönfeldt, 1; Nova Guinea, *Cetonini* und *Coprini*, *Onthophagus* sp. n.

Schönfeldt, 2; Nova Guinea, *Brenthidae*, *Zemioses* sp. n.

Spaeth, 2; Nova Guinea, *Cassididae* brief list.

Zang, 4; Nova Guinea, *Passalini* 3 spp. n.

(Fauvel, 15; Staphylinides de Nouvelle Guinée.)

Hymenoptera.

Buysson, R. du, 2; Java, *Chrysis* sp. n.

Kieffer, 5; Java, *Cynipidae* 3 spp. n.

Karawalew; Java, *Polyrhacis* sp. n.

Mayr; Java, Timor, Feigen-Insekten 9 spp. n.

Enderlein, 5; Java and Sumatra, *Cardiochiles* 3 spp. n.

Konow, 5; Java and Sumatra, *Tenthredinidae* 3 spp. n.

Krieger; Java, Sumatra, Celebes, Ronisl. *Theronia* 5 spp. n.

Kohl, F. F., 2; Java, *Salix* and *Trypoxylon*, Celebes *Platybracon* spp. n.

Cockerell, 4; Sumatra, *Megachile* sp. n.

Enderlein, 7; Sumatra, *Coelioxys* sp. n.

Cameron, 11; Sumatra, *Cryptinae* gen. n.

Enderlein, 5; Sumatra, *Evania* 3 spp. n.

Szépligeti, 2; Sumatra, *Braconidae* *Merinotus* gen. n.

Enderlein, 10; Sumatra, *Stephanidae* 3 spp. n.

Enderlein, 8; Sumatra and Sumba, *Bramisia* 4 spp. n.

Kieffer, 4; Sumatra and Mentawai and N. Guinea, *Prototrypidae* 15 spp. n.

Cameron, 15; Borneo, 18 spp. n.

Cameron, 21; Borneo, *Braconidae* gen. n. near *Odesia*.

Szépligeti, 1; Borneo, Celebes, New Guinea, *Ichneumonidae* spp. n.

Schulz, W. A., 3; Celebes *Erythropimpla* sp. n., *Ampulicinae* gen. n.

Brown, 1; Philippines, Catalogue with *Tachypompilus*, *Chrysis*, *Mutilla*, spp. n.

Cameron, 31; New Guinea, *Thynnidae*, *Scoliidae*, *Pompilidae*, *Sphegidae*, *Vespidae*, 9 spp. n.

Cameron, 32; Nova Guinea, *Hymenoptera aculeata*, *Chrysid*, *parasitica*, *Oryssus* 29 spp. n.

Lepidoptera.

Hampson, 1; Various islands, incl. Christmas Island, *Thyrididae* and *Pyralidae* spp. n.

Hampson, 2; Various islands, *Hydrocampinae* 23 spp. n.

Meyrick, 2; *Imma* 24 spp. n.

Fruhstorfer, 18; *Nymphalidae* varr. n.

Pieperz and Snellen; Java, *Noetuidae*, short list.

Huwe; Sumatra, Batjan, Dammer Ins., *Sphingidae* 3 spp. n.

Swinhoe, 2; Java, Sumatra and Borneo, *Bombyces* 6 spp. n., *Noetuidae* 6 spp. n.; Java, *Epiplema* sp. n.; Sumatra *Ptochopyle* sp. n.; Gilolo, *Eschata* sp. n.

Swinhoe, 3; Sumatra and Nias isld., *Pendria*, *Deilemeva*, *Asota*, *Dasychira*, *Cosmophila*, *Sypna*, *Nodaria*, *Ceratoelasis* and *Loxoneptera* sp. n.; Java, *Dasychira* sp. n.; Borneo, *Borsippa* sp. n.; New Guinea *Viteessa* 2 spp. n.

Fruhstorfer, 8; Batu-Inse'n Sumatra, *Rhopaloceren* 3 spp. n.

Dohrn, 1; Sumatra and Borneo, *Chalcosiidae*, new forms, *Heteropan* sp. n.

Shelford, R., 3; Borneo, annotated catalogue, *Nymphalinae* and *Lemoniidae*; *Athyma* sp. n.

Swinhoe, 1; Borneo, *Saroseelis* sp. n. and *Isocentris* sp. n.; Sumatra, *Agathodes* sp. n. and *Pachyzancla* sp. n.

Weymer, 2; Celebes *Antheraea* sp. n.

Heylaerts, 2; Philippines, *Clania* sp. n.

Fruhstorfer, 19; Luzon, *Athyma* sp. n.

Rebel, 9; Obi, *Troides* sp. n.

Bethune-Baker, 1; British New Guinea, *Lycanidae* 7 spp. n.

Bethune-Baker, 3; New Guinea, *Oxybadistes* sp. n.

Bethune-Baker, 4; British New Guinea, *Noetuidae* 300 spp. n.

Warren, 2; British New Guinea, *Drepanulidae*, *Thyrididae*, *Uraniidae*, *Geometridae*, many spp. n.

Hering; Fergusson island, *Desmia* sp. n.

(**Fruhstorfer, 20**: Neue *Taenaris*-Formen und Uebersicht der bekannten.)

Trichoptera.

Ulmer, 3; Java, Borneo, Celebes, New Guinea, spp. n.

Neuroptera.

Weele, 2; *Sialiden*, *Chauliodes* sp. n., Sumatra.

Weele, 4; Java and Sumatra, *Chauliodes* 2 spp. n.

Diptera.

Banks, C. S., 3; Philippines, *Culicidae* n. gen.

Banks, C. S., 4; Philippine *Culicidae*, new species.

Ludlow, 3; Philippines, *Toxorhynchites* sp. n.

Ludlow, 5; Philippines, *Anophles* sp. n.

Kertész, 2; New Guinea, *Heteroneurides* gen. n.

Meijere, 6; Nova Guinea, *Diptera* 17 spp. n.

Meijere, De, 2; New Guinea, *Sepsis*, *Antineura*, *Oscinis* spp. n.; gen. n. *Drosophilidae*; Bali *Philocompus* sp. n.

Hemiptera-Heteroptera.

Bergroth, 8; Java, *Colpura* sp. n., *Veledella* sp. n., *Reduviidae* gen. n.; New Guinea, *Physoderes* sp. n.

Bredden, 2; Java and Sumatra, *Dieuches* 2 spp. n.

Bredden, 1; Java, Sumatra, *Colpura* spp. n., New Guinea *Brachylybas* sp. n.

Bergroth, 10; Borneo, *Plocariinae* 2 spp. n.

Distant, 18; Borneo, *Reduviidae* gen. n.

Distant, 19; Borneo, *Serbana*, *Corizus*, *Aphanus*, *Laxamana* sp. n.; Sang'ir isld., *Eumenotes* sp. n.

Bredden, 5; Celebes, *Heteropt.* and *Homopt.* 67 spp. n.

Bergroth, 1; Laut, Celebes, New Guinea, *Henicocephalus* 3 spp. n.

Schouteden, 3; New Guinea, *Pentatomidae* 3 spp. n.

Homoptera.

Bredden, 5; Celebes spp. n.

Melichar, 1; *Issides* Monographio spp. n.

Distant, 12; numerous islands, *Pulgoridae* 6 spp. n.

Schmidt, Edmund, 3; Java and Sumatra, *Miasa* sp. n.

Schmidt, Edmund, 2; Sumatra, *Sialoscirta* 2 spp. n.

Schmidt, Edmund, 1; Sumatra, *Scamandra* sp. n., Waigiu *Myrilla* sp. n.

Schmidt, Edmund, 4; Sumatra and Borneo, *Membracidae* 2 spp. n.

Distant, 1; Java and Borneo, *Tauna* 2 spp. n.

Distant, 11; Borneo, Sulu Arch., New Guinea, *Cicadidae* 3 spp. n.

Distant, 2; Philippines, *Dokuma* sp. n.

Distant, 15; New Guinea, g. n., near *Dictyophara*.

Psocidae.

Enderlein, 13; Java, *Clematostigma* sp. n.

Enderlein, 17; Sumatra *Myopsocus* sp. n.

Orthoptera.

Brunner and Redtenbacher; *Phasmidae*, general work, spp. n.

Dohrn, 3; Sumatra and Philippines, *Phaneropteridae* 4 spp. n.

Hancock, 2; Borneo, *Tettigidae* gen. n.

Ludlow, 2; Philippines, *Salganea* sp. n.

Shelford, R., 1; Borneo 15 spp. n., Patchian sp. n., *Blattidae*.

Hancock, 1; Borneo, New Guinea, *Terriginæ* spp. n.

Brunner von Wattenwyl and Redtenbacher; Nova Guinea, *Phasmidae* list.

Burr, 5; Nova Guinea, *Dermatoptera* 3 spp. n.

Collembola.

Börner, 4; Java, 10 spp. n.

Australia.

Insecta.

Handlirsch, 3; Fossil Insects.

Walker, J. J., 1; Sydney, sketch of entomology of.

Colcoptera.

Blackburn; *Melolonthides*, partial revision, many spp. n.; *Paphora* spp. n.

Boucomont-Cosme; N. S. Wales, *Bolboceras* sp. n.

Carter, 1; *Stigmmodera* sp. n., *Tenebrionidae* 19 spp. n.

Carter, 2; Mount Kosciusko, N.S.W., list.

Lea, 1; *Leptops* 26 spp. n.

Lea, 2; Australia and Tasmania, *Staphylinidae* 22 spp. n., *Paussidae* gen. n., *Inopeplus* sp. n., *Lathridius* 4 spp. n., *Pelonium* sp. n., *Ptinidae* gen. n., *Lemodes* sp. n.

Lea, 3; Queensland, *Lomaptera* 2 spp. n.

Lea, 4; Australia and Tasmania, *Circulionidae* 39 spp. n.

Lesne, 3; Australia, *Xylobosca* 2 spp. n.

Lesne, 5; *Bostrychidae* 6 spp. n.

Möllenkamp, 3; *Metopodontus* sp. n.

Schenkling, 1; *Cleridae* spp. n.

Schwarz, 2; *Elateridae* 18 spp. n.

Sloane, 1; *Cicindelidae*, revision, catalogue, 3 spp. n., and Sloane, 2, 2 spp. n.

(Carter, 4; New Australian *Coleoptera*.)

(Lea, A. M., 5; Descriptions and notes on Australian *Curculionidae*.)

(Sloane, 3; Descriptions and notes on Australian *Carabidae*.)

(Sloane, 4; Descriptions and notes on Australian *Carabidae*.)

(Sloane, 5; New Australian *Cicindela*.)

(Sloane, 6; Australian *Carabidae*, check-list, I.)

Hymenoptera.

Bingham, 1; Queensland, *Braconidae* 4 spp. n., *Chalcididae* 4 spp. n.

Cameron, 3; *Braconidae* 2 spp. n.

Cameron, 5; *Odynerus* sp. n.

Cameron, 9; *Pseudagenia* sp. n.

Cameron, 10; *Ichneumonidae* 5 spp. n.

Cockerell, 1; Australia and Tasmania, *Paracolletes* 6 spp. n.

Cockerell, 5; *Megachile* 15 spp. n.

Cockerell, 7; Australia, *Apidae* 4 spp. n.

Cockerell, 8; Australia and Tasmania, *Halictus* 7 spp. n.

Cockerell, 11; *Apidae*, list of genera.

Froggatt, 1; Catalogue, *Formicidae* of Australasia.

Froggatt, 7; *Megalyna* 9 spp. n.

Kieffer, 5; N. S. Wales, *Cynipidae* 2 spp. n.

Krieger; Australia and Tasmania, *Theronia* 3 spp. n.

Mayr; Neusüdwaes, *Pleistodontes* sp. n.

Perkins, 2; *Chalcididae* 15 spp. n., *genn.* n.

Perkins, 3; *Proctotrypidae* 6 spp. n.

Szépligeti, 1; *Ichneumonidae* 5 spp. n.

Szépligeti, 2; Victoria, *Rhogas* sp. n.

(André, 5; Un genre nouveau et deux espèces nouvelles de Fourmis . . .)

Lepidoptera.

Localities given by Tower, corrections; Turner, A. J., 3.

Hampson, 11; *Pyralidae* spp. n.

Hampson, 3; Victoria, *Cucullianae* sp. n.

Meyrick, 1; Australia and Tasmania *Tineina* 60 spp. n.

Meyrick, 2; Queensland, *Imma* sp. n.

Perkins, 5; Queensland, *Rhopalocera*, notes.

Rothschild, W. 2; Queensland, *Epi-pyrops* sp. n.

Swinhoe, 3; Queensland, *Lineopalpa* sp. n.

Turner, A. J., 1; *Synemon* sp. n., *Bombyces* 9 spp. n., *Noctuidae* 8 spp. n., *Geometridae* 14 spp. n., *Tineidae* 6 spp. n.

Turner, A. J., 2; *Thyrididae* and *Pyralidae* 3 spp. n.

(Turner, A. J., 4; Australian *Heterocera*, Critical notes and descriptions of new species.

(Waterhouse and Turner; Australian *Lycaenidae*, notes and descriptions.

Neuroptera.

Enderlein, 19; N. S. Wales, *Coniopterygidae* 6 spp. n.

(Froggatt, 13; Descriptions of new species of *Neuroptera*.

Diptera.

Meijere, 2; Sydney, *Sepsis* spp. n.

Perkins, 3; Queensland, *Pipunculus* sp. n.

Roubaud, 10; Victoria, *Simulium* sp. n.

Stein, 1; *Spilogaster* sp. n.

Wandolleck, 1; Queensland, *Ogcodes* sp. n.

Aphaniptera.

Rothschild, N. C., 3; Tasmania *nov. gen.*

(Rainbow, W. J.; Australian *Siphonaptera*, new spp. and critical notes.)

Hemiptera—Heteroptera.

Bergroth, 6; Yorketown, *Pentatomidae* subfam. n., *Coreidae* subfam. n.

Reuter, 6; Australia and Tasmania, *Capsidae* 8 spp. n.

Reuter, 10; North Australia and Sydney, *Capsidae* 7 spp. n.

Schouteden, 4; *Aphylum* sp. n.

Schouteden, 3; *Pentatomidae* 5 spp. n.

Homoptera.

Distant, 3; gen. n. *Cicadidae*.

Distant, 8; Queensland, *Cyclochila* sp. n.

Distant, 11; S. Australia, *Burbunga* sp. n.

Distant, 12; *Fulgoridae* 6 spp. n.

Distant, 13; *Fulgoridae* gen. n., *Olonia* sp. n.

Distant, 15; *Dictyophara* sp. n.

Kirkaldy, 6; *Jassidae*, *Membracidae*, *Cercopidae*, *Fulgoridae*, *Eutropistidae*, *Achilidae*, *Derbidae*, *Issidae*, *Pockill-opteridae*; 203 spp. n.

Melichar, 1; *Issides* spp. n.

Coccidae.

Froggatt, 8; Insect fauna of the Kaurajong Tree (*Brachychiton popul-neum*).

Thysanoptera.

Froggatt, 6; Tamworth, *Kladothrips* sp. n.

Psocidae.

Enderlein, 16; Die australischen Copeognathen, Revision, 5 spp. n.

Odonata.

Tillyard, 1; Queensland, *Austrogon-plus* 3 spp. n.

Tillyard, 2; Queensland, *Agrionidae* 11 spp. n.

Tillyard, 4; novelties, 3 spp. n.

Orthoptera.

Shelford, R., 1; *Escala* gen. n.

(Froggatt, 10; Australian Phasmidæ.)

Thysanura.

Silvestri, 2; N. S. Wales, *Machilidae* gen. n.

North America.

Insecta.

Schmitt; Ile d'Anticosti, list.

Fletcher and others; Ottawa, *Lep. and Col.*, brief lists, Ottawa, Natural., 20, (82-86).

Ruthven; Porcupine mountains and Isle Royale, Michigan, Spiders and insects.

Slosson; Alpine region of Mt. Washington.

Brimley, 1; Lake Ellis, North Carolina, excursion.

Hart; Texas winter trip, annotated list, *Orthoptera*, *Mesochlora*, *Nemobius* sp. n.

Hine, 6; Louisiana, Entomology of the region of the Gulf biologic station.

†Handlirsch, 1; *Palaeodictyoptera*, *Protodonata*, *Megaseoptera*, *Hadentomoidea*, *Hapalopteroida*, *Mixotermi-toidea*, *Protorthoptera*, *Problattoidea*, *Blattoidea*; new families, genera and species translated from the German.

Handlirsch, 2; Die fossilen Insecten.

†Wheeler, 14; Florissant, account of.

Coleoptera.

Tower, 3; Distribution of *Leptino-tarsa*.

(Bourgeois, 13; Les Lycides du Muséum, g h.)

Bernhauer, 4; *Aleocharini* 15 spp. n.

Blaisdell, 1; California, *Lathrotropis*, *Dasytes* spp. n., *Tenebrionidae* gen. n.

Casey; *Aleocharinae* and *Xantho-inini* spp. n.

Champion; *Cryptorhynchides* and *Zygopides* spp. n.

Chittenden, 1; *Notaris* sp. n.

Dury, 2; Cincinnati region, 7 spp. n., *Colyphus*, *Eustrophus*, *Mordellistena*, *Halticidae*.

Fall, 1; *Trachykele*, *Mastogenius*, *Agrilus* sp. n.

Fall, 2; California, *Platycerus* and *Pleocoma* spp. n.

Fall, 3; *Zygopini* 10 spp. n.

Fall, 4; *Notiophilus*, revision.

Fall, 5; South-west, *Cymatodera* and *Hydnocera* 8 spp. n.

Fiske; N. Carolina, *Paraplatylus* sp. n.

Poppius, 7; North-west. N. America, *Cryobius* spp. n.

Wickham, 2; *Tanarthropsis* 4 spp. n.

Schaeffer, 1; Texas and Arizona, *Chrysomelidae* 31 spp. n.

Schaeffer, 2; Texas and Arizona, *Scirtes* and *Lachnodactyla* spp. n.

Schaeffer, 3; Texas, etc., and Lower California, *Anomala* 4 spp. n.

Schaeffer, 4; *Bradycinetus*, *Copris*, *Lachnosterna* spp. n., *Cyclocephalides* gen. n.

Schaeffer, 5; *Pselaphidae* 6 spp. n.

Schaeffer, 6; Southern U. S. and Lower California, *Anthribidae* 16 spp. n.

Schaeffer, 7; Texas and Arizona, *Oncideres* and *Polyces*a, sp. n., *Byrsopolis lanigera*.

Schaeffer, 8; *Ochodaeus* 3 spp. n.

Schaeffer, 9; Arizona and Texas *Conotrachelus* 4 spp. n., *Cryptorhynchus lacteicollis*.

Schwarz, 1; Arizona, Alabama, *Elateridae* 3 spp. n.

Skinner, 7; Texas, *Cantharis* sp. n.

†**Sellards**, 3; Maryland Pleistocene, *Coleoptera*.

Knaus; Various localities, notable captures.

Evans, J. D.; Canada, novelties, long list.

Chagnon; Quebec, *Haltica rufa*, Canad. Entomol., 38, (8).

Chagnon; Canada, *Piodes coriacea*, withdrawn. Ent. News, 17, (101).

Dury, 3; *Cincinnati*, additions.

Blatchley; Indiana, *Platynus quadrimaculatus*, Canad. Entomol., 38, (267).

Wenzel; Tybee island, Georgia, list. Ent. News, 17, (38).

Tucker; Texas, list of 85 spp.

(**Fall**, 6; Notes on some Californian *Buprestidae*.)

(**Fall**, 7; Two new species of *Aphodius*.)

(**Skinner**, 8; Descriptions of new *Coleoptera*.)

[*Hymenoptera*].

Wheeler, 7; United States, tropical ants introduced into.

Viereck, 2; Western United States, *Hymenoptera* generally, 65 spp. n.

Cockerell, 2; New Mexico and Colorado, *Apidae* 11 spp. n.

Cockerell, 3; Colorado, *Andrena*, *Colletes* and *Halictus*, spp. n.

Cockerell, 4; Texas, Arizona, New Mexico, *Apidae* 8 spp. n.

Cockerell, 6; *Apidae* spp. n.

Cockerell, 9; Texas, *Perdita* 4 spp. n.

Cockerell, 10; Texas, *Perdita* 2 spp. n.

Cockerell, 12; Rocky mts., *Apidae* 5 spp. n.

Cockerell, 13; *Apidae*, Washington State, novelties, 5 spp. n.

Cockerell, 16; Florissant, Colorado, *Apidae* 119 spp., 34 spp. n.

Cockerell, 19; *Anthophoridae*, Catalogue, 9 spp. n.

Cockerell, 20; New Mexico, *Apidae* catalogue annotated, *Xenoglossodes* sp. n.

Lovell and **Cockerell**; Southern Maine, *Anthophoridae*, *Halictoididae*, *Macropidae* and *Pamurgidae*, *Melissodes* 2 spp. n.

Cameron, 16; Canada to New Mexico, *Odynerinae* 12 spp. n.

Clarke; California, *Dolerus* sp. n.

Crawford, 1; Texas and New Mexico, *Halictus* 5 spp. n.

Crawford, 2; Nebraska and Texas, *Apidae* 3 spp. n.

Crawford, 3; Oregon, etc., *Halictus* 4 spp. n.

Crawford, 4; Nebraska, *Halictus* sp. n.

Swenk, 1; *Colletes* 5 spp. n.

Swenk, 2; *Colletes* 6 spp. n.

Cameron, 14; Vancouver's isld., *Odynerus* sp. n.

Viereck, 1; Connecticut, *Tiphia* and *Odynerus*, spp. n.

Fernald, H. T.; *Chlorioninae* localities sp. n.

Smith, Harry S., 2; Nebraska, *Larridae* 3 spp. n.

- Wheeler, 6**; New England, *Formica* sp. n.
Wheeler, 2; Grand Cañon, ants of, 2 spp. n.
Buysson, R. du, 5; Colorado, *Hedychridium* sp. n.
Bradley; Brit. Columbia, *Blepharipus*, *Spilomena*, *Gonatopus* sp. n.
Brues, 1; Texas, *Amisia* sp. n.
Skinner, 2; Pennsylvania; *Metopius* sp. n.
Girault, 2; Maryland and Ohio, *Teleonomus* 2 spp. n.
Perkins, 2; Ohio, *Chalcididae* 3 spp. n.
Girault, 4; Washington, *Eulophus* sp. n.
Howard, 4; *Prospalta* sp. n.
Brues, 4; *Proctotrypidae* 9 spp. n.
Kieffer, 10; *Proctotrypidae* many spp. n.
Bridwell; Kansas, *Odontophyes* sp. n.
Konow, 3; Texas, *Argini* 2 spp. n.
Macgillivray, 2; Connecticut, *Priophorus* sp. n.
Cockerell, 15; Colorado, *Pteronus* sp. n.
 †**Brues, 2**; Colorado, fossil parasitic and phytophagous Hymenoptera from Florissant, 9 spp. n.
 †**Cockerell, 14**; Florissant, new fossil ant.
 †**Cockerell, 18**; Florissant, Colorado, Fossil, *Hymenoptera* 36 spp. n.
 †**Cockerell, 17**; Colorado, *Tenthredinidae* 30 spp. n.
Wheeler, 12; New England, list of the *Formicidae*.
Cockerell, 21; localities, *Andrena* spp.
Nason, 1, 2, 3; Algonquin, parasitic Hymenoptera.
 (Buysson, Du, R., 4; Hymenoptères.)
 (Cockerell, 30; three new bees . . .)
 (Cockerell, 32; new bees . . .)
 (Vachal, 7; *Halictus* . . .)

Lepidoptera.
Barnes; Arizona, *Eutricha* sp. n.
Busck, 1; Pennsylvania; *Tineina* 7 spp. n.
Busck, 2; Texas, *Cydia* sp. n.
Busck, 3; Colorado, *Recurvaria* sp. n.
Busck, 5; *Cosmopteryx*, localities, 1 sp. n.
Busck, 6; Southern Texas, *Tineidae* 12 spp. n.
Busck, 7; Arizona and California; *Cerostoma* 4 spp. n.
Busck, 9; *Hemimene* and *Lipoptycha*, 0 spp. n.
Cosens; Canada, *Retinia* sp. n.
Dyar, 1; Colorado, Arizona, Texas, *Pyralidae* 4 spp. n.
Dyar, 2; North American, *Nymphulinae* and *Scopariinae*, monograph, 12 spp. n.
Dyar, 3; North America, *Salebria* and gen. n. affinis, *Eurythmia*, *Eucosma* sp. n.
Dyar, 5; Arizona, *Gloveria*, *Heterocampa*, sp. n.
Dyar, 6; Texas, Arizona, Florida, novelties, *Tolyte*, *Apatelodes*, *Schizurae*, *Zeuzera*, *Ravigia*, *Adoneta*, spp. n.
Grossbeck, 1; Arizona, *Monoleuca* sp. n.
Grossbeck, 3; Arizona and California, *Stenaspilates* and *Eucestia* 3 spp. n.
Hampson, 1; Texas, *Aglossa* sp. n.
Hampson, 3; Canada to Arizona, *Cucullianae* 4 spp. n.
Hering; Texas, *Desmia* sp. n.
Pearsall, 2; Utah, Arizona and Texas, *Gometridae* 14 spp. n.
Pearsall, 3; *Nomenia* and *Euchoeca* sp. n.
Pearsall, 4; Eastern U.S., *Philopsia* sp. n.
Skinner, 3; from Texas and Arizona, *Rhescipha*, *Ruscino*, *Cosmosoma*, *Pyrgus*, spp. n.
Skinner, 6; Arizona, *Syntomeida* sp. n.
Smith, John B., 3; *Noctuidae* 35 spp. n.
Smith, J. B., 4; *Noctuidae* 18 spp. n.
Stretch; N. America, *Arachnis* sp. n.
Swett, 1; *Caripeta* sp. n.
Swett, 2; *Caripeta* sp. n.
Taylor, 1; Arizona, *Sabulodes* 2 spp. n.

Taylor, 2; Arizona and California, *Geometridae*, *Melemaea*, *Hydriomena*, *Macaria*, *Eumera*, *Eupithecia* spp. n.

Taylor, 3; Alberta, *Eupithecia* 4 spp. n.

Taylor, 5; Alberta, *Xanthorhoe* and *Aploides* sp. n.

Taylor, 7; British Columbia, *Geometridae* 17 spp. n.

Taylor, 8; Ottawa, *Eupithecia* sp. n.

Wright; butterflies of the west coast of the United States 14 spp. n.

Rothschild and Jordan, 3; *Papilio* revision with localities.

Cary; Diurnal *Lepidoptera*, Athabaska and Mackenzie region.

Dod; Alberta, N.W.T., *Macrolep.*, annotated list.

Dashwood-Jones; British Columbia novelties (127), *Canad. Entomol.*, 38.

Crocker; Saskatchewan *Rhopalocera*, notes; London, *Proc. S. London, nat. hist. Soc.*, 1906, (1-3).

Heath; Manitoba, captures, 1905, (218-220), *Canad. Entomol.*, 38.

Taylor, 6, Canada *Himera pennaria*. Montreal, *Sphinx luscitiosa*, *Canad. Entomol.*, 38, (59).

Haight; Temagami lake, Lake Huron, *Noctuidae* and *Geometridae*, list (94-96), *Canad. Entomol.*, 38.

Fernekes; Milwaukee county, *Lepidoptera*.

Comstock; Keene Valley, N.Y., list.

Cook; Pennsylvania, *Pyrgus centaureae*, *Ent. News*, 17, (99).

Skinner; Pennsylvania, *Ophiisma tropicalis*.

Pearson; Connecticut, rare catches in, *Ent. News*, 17, (70).

Pilate; Ohio, rare *Lepidoptera*, *Ent. News*, 17, 1906, (31).

Elrod; Montana, butterflies, nature study bulletin.

Newcomer; Pt. Arena, Cal. *Rhopalocera*, *Ent. News*, Philadelphia, Pa., 17, (347-348).

Rivers; Southern California, *Eudamus proteus*.

Trichoptera.

Banks, N., 8; 26 spp. n.

Neuroptera.

Banks, N., 1; Virginia. Arizona, and Florida, *Allochrysa*, *Saphalasca*, *Panorpa*, sp. n.

Banks, N., 1; *Raphidia*, *Chrysopa*, *Leucochrysa*, *Bremochrysa*, *Calinemurus*, *Maracaudula*, *Deudroleon*, *Panorpa*, *Panorpodes* spp. n.

Banks, N., 9; *Hemerobiidae*, revision, catalogue, 3 spp. n.

McClendon, 2; Texas, *Brachynemurus* sp. n.

McClendon, 4; Texas, catalogue.

Diptera.

Aldrich, 1; California, *Calotarsa* sp. n.

Coquillett, 2; Illinois, *Tabanus* sp. n.

Coquillett, 3; California, *Culex* sp. n.

Coquillett, 5; North America?, *Janthinosoma* sp. n.

Cresson; The south-west, *Ortalidae* 5 spp. n.

Dyar and Knab, 1; *Culicidae* 7 spp. n.

Dyar and Knab, 2; 2 spp. n., *Anopheles* and *Mochlostyrax*.

Dyar and Knab, 3; *Culicidae* 8 spp. n., [Bahamas 1 sp. n.].

Felt, 3; New York, *Cecidomyiidae* 5 spp. n.

Felt, 10; *Culicidae*, 3 spp. n., *Culicada*, *Culicella*, *Corethra*.

Grossbeck, 2; New Jersey, *Culex* sp. n.

Hine, 2; Louisiana, *Tabanus* sp. n.

Hine, 3; Colorado *Machimus*, British Columbia *Stilpnogaster* sp. n.

Johnson, 2; Mt. Washington *Leucostola*, Quebec *Argyra* sp. n.

Jones, B. J., California, *Ephydridae* 4 spp. n.

Jones, P. R., Nebraska, *Cuterebra* sp. n.

Ludlow, 1; American mosquito [*Grahamia nigromaculis*].

Ludlow, 2; Minnesota, *Culex* sp. n.

Ludlow, 3; Alaska, *Thecobaldia* sp. n.

Melander, 2; *Empididae* 4 spp. n., *genn. n.*

Theobald, 7; Mississippi, *Mcgarkinus* sp. n.

Ainslie; Minnesota, *Chionea valga*.

Washburn; Minnesota novelties.

Washburn; Minnesota short list, Ent. News, 17 (293).

Burgess; Ohio, *Culicidae* list.

Herrick; Mississippi, Mosquitoes, correction. Ent. News, 17 (69).

Hine, 5; Louisiana, *Tabanidae* of.

(**Daecke, 3**; Two new species of *Diptera* from New Jersey.)

Aphaniptera.

Rothschild, N. C., 8; Canada, 3 spp. n.

Hemiptera-Heteroptera.

Barber; Southwestern Texas annotated list, *Dendrocoris* sp. n., *Coreidae* gen. n., *Ligyrocoris*, *Perigines*, *Poecilocapsus* sp. n.

Bergroth, 2; Alabama and Oregon, *Aradus* 2 spp. n.

Heidemann; Washington, *Corythuca* sp. n.

Van Duzee, 2; *Narnia*, *Alydus*, *Jalysus*, *Peritrechus*, *Eremocoris*, *Reduvius*, spp. n; gen. n. *Capsidae*.

†**Cockerell, 27**; Colorado, *Corixa* sp. n.

Bueno, 2; *Cryptocerata* list.

Van Duzee, 1; Ontario, annotated list, *Hemipt. Het.* and *Hom.*

Van Duzee, 3; Adirondack mts. list, *Heteropt.* and *Homopt.*

Homoptera.

Melichar, 1; *Issides* Monographie, spp. n.

Osborn, 1; *Cicada* sp. n.

Osborn, 2; Louisiana, *Cicada* 2 spp. n.

Osborn, 6; New York, *Jassidae* 11 spp. n.

Cockérrell, 28; Colorado, fossil *Cicada*.

Johnson, C. W., 3; New England, *Tibicen septendecim* distribution.

(**Britton, 4**. Some new or little known *Aleyrodidae* . . .)

(**Uhler, P. R.** Recognition of two North American species of *Cicada* Latr.)

Aphididae.

Sanborn, 2 and **3**; N. America, Cat. of *Aphidae*, and host plants, 8 spp. n.

Troop; Indiana, *Aphis* sp. n.

Coccidae.

Ehrhorn; California 7 spp. n.

Woglum; New Jersey and Florida, *Aspidiotus* 2 spp. n.

Cockerell, 25; localities.

Psocidae.

Banks, N., 8; 5 spp. n.

Enderlein, 14; synonymy.

Mallophaga.

Durrant, 1; Colorado, 3 spp. n.

Durrant, 2; Colorado, *Physostomum* 2 spp. n.

Embiidae.

Banks, N., 8; *Embia* sp. n.

Termitidae.

Banks, N., 7; Florida and Arizona, 2 spp. n.

Perlidæ.

Banks, N., 8; *Perla* 3 spp. n.

Banks, 5; Oregon, *Pteronareys* sp. n.

Banks, 6; United States 5 spp. n.

Odonata.

†**Sellards, 2**; Permian of Kansas gen. n.

Calvert, 1; *Libellulinae*, localities.

Walker, E. M., 2; Ontario, annotated list of 86 species.

Williamson; Newfoundland, list.

Calvert, 2; New England, list.

Calvert; New England, *Argia apicalis* not to be included. Ent. News, Philadelphia, Pa., 17, 1906, (31).

Miller; Waterloo Iowa, list.

Brimley, 2; North Carolina, *Odonata*, corrections of previous records.

Orthoptera.

Bruner, 3; *Acridiides* spp. n.

Caudell, 3; United States, *Cyrtophylli* 4 spp. n.

Hancock, 3; Illinois, *Ageneotettix* sp. n.

Morse, 1; Southern States, *Acridiidae* 6 spp. n.

Rehn, 7; Georgia, *Eotettix* sp. n.

Rehn, 8; Utah, *Platybothrus* sp. n.

Rehn and Hebard; Montana, Yellowstone Park, Utah, and Colorado, *Trimeroctrops* and *Circotettix* *Podisma*, sp. n.

†Handlirsch, 1; Montana, Cretaceous *Blattidae* sp. n.

Walker, E. M., 1; N.W. Canada, list.

Morse, 4; Porcupine Mountains, Michigan. The ecological relations of the *Orthoptera*.

Morse, 2; New England, *Melanoplus viridipes*.

Morse, 3; New England, *Nemobius palustris*.

Rehn, 10; New Jersey, *Conocephalus lyristes*.

Central America.

Coleoptera.

Arrow, 3; *Passalidae* 3 spp. n.

Casey; Mexico to Panama, and Lower California, *Aleocharinae*, *Xantholinini*, spp. n.

Champion; *Cryptorhynchides* and *Zygopides*, many spp. n.

Desbrochers, 9; Costa Rica, n. g. *Cholides*.

Fall, 5; Lower California, *Cymatodera* sp. n.

Gounelle, 3; Guatemala, *Taurolema* sp. n.

Grouvelle, 3; Costa Rica, *Colastes* sp. n.

Heller, 1; Costa Rica and Nicaragua, *Curculionidae* 7 spp. n.

Jacoby, 3; Costa Rica and Mexico, *Asphaera* sp. n., *Oedionychis* 3 spp. n.

Jordan, 6; *Anthrribidae* spp. n.

Kerremans, 3; Mexico, *Buprestidae* spp. n.

Kolbe, 1; Mexico and Guatemala, *Daemonoplus* 2 spp.

Kolbe, 4; *Strategus* 3 spp. n.

Lesne, 5; Mexico, *Psoc* sp. n.

Lesne, 10; *Micrapate* 5 spp. n.

Pic, 26; Costa Rica, *Macrosiagon* sp. n.

Schenkling, 1; *Cleridae* spp. n.

Schwarz, 1; Chiriqui and San Salvador, *Elateriden* 2 spp. n.

Solari, 3; *Barini* 24 spp. n.

Tower, 3; Mexico, *Leptinotarsa*, distribution, 3 spp. n.

Weise, 9; Nicaragua, *Hispidae*, list, 2 spp. n.

Lower California, *Anomaea* vide N. America, Schaeffer, 3; *Buprestidae* spp. n., Fall, 6; *Brachytarsus* sp. n., Schaeffer, 6; *Chrysomelidae*, Schaeffer, 1.

Hymenoptera.

André, 1; Costa Rica, Guatemala, *Ephuta* 2 spp. n.

Ashmead, 3; Mexico, *Ctenopyga* sp. n.

Du Buysson, R., 2; Apoica and Synoeca, localities.

Cameron, 8; Panama, *Eumenes* sp. n.

Cameron, 17; North Mexico, *Odynerus* sp. n.

Cameron, 18; Panama, *Eumenes* sp. n.

Cameron, 22; Panama and Honduras, *Polybia* 2 spp. n.

Crawford, 5; Costa Rica, *Apidae* 7 spp. n.

Fernald, 2; *Chlorioninae*, localities.

Forel, 2; Costa Rica, *Pseudomyrma* sp. n.

Friese, 1; Chiriqui, *Rhathymus* sp. n.

Kieffer, 3; Nicaragua, *Bethylidae* gen. n., 4 spp. n.

Kieffer, 4; Nicaragua, *Proctotrypidae* 8 spp. n.

Kieffer, 10; *Proctotrypidae* many spp. n.

Konow, 3; Guatemala, *Labidarge* sp. n.

Szépligeti, 1; Mexico, *Agrypon* sp. n.

Zavattari, 1; Darien, *Alastor* sp. n.

Zavattari, 2; Darien, San José, *Diploptera* spp. n.

Lepidoptera.

Dognin, 1; Chiriqui, *Nesaleis* sp. n., San Salvador, *Lygropia* sp. n.

Hampson, 1; *Pyralidae* spp. n.

Hampson, 2; *Ilydrocampinae* 9 spp. n.

Rothschild and Jordan, 1; Costa Rica, *Protaulobulys* sp. n.

Rothschild and Jordan, 3; *Papilio*, revision, localities and 1 sp. n. from Honduras.

Schaus; *Citheroniidae* 3 spp. n., *Carthara* sp. n., *Noctuidae* 22 spp. n., *Pyralidae* 10 spp. n.

Warren, 1; *Epiplemidæ* and *Geometridæ* 56 spp. n.

Neuroptera.

Banks, N., 9; Nicaragua, *Megalomus* sp. n.

McClendon, 1; Mexico, notes on collecting in.

Diptera.

Cresson, Guadalajara, *Pterocalla* sp. n.

Dyar and Knab, 1; *Culicidae* 16 spp. n.

Dyar and Knab, 2; *Culicidae* 3 spp. n.

Dyar and Knab, 3; *Culicidae* 22 spp. n.

Hine, 2; Guatemala and Costa Rica, *Tabanus* 4 spp. n.

Hemiptera.

Bredden, 3; Costa Rica, *Pachycoris* and *Leptoscelis* spp. n.

Bueno, 4; Costa Rica, aquatic *Hemiptera*, list.

Distant, 1; Mexico and Lower California, *Rihana* 2 spp. n.

Distant, 13; Guatemala, *Calypso-proctus* sp. n.

Melichar, 1; Mexico, *Thionia* sp. n., Costa Rica, gen. n. *Issides*.

Psocidae.

Banks, N., 8; Mexico, *Psocus*, *Chrysopa*, *Leucochrysa* spp. n., Nicaragua, *Wormaldia* sp. n.

Enderlein, 13; Chiriqui, *Ischnop'eryx* sp. n.

Odonata.

Calvert, 1; *Libellulinae* spp. n.

Orthoptera.

Borelli, 3; Costa Rica, *Forficulidae* 11 spp. n.

Bruner, 1; Centr. America incl. Lower California, *Aceridiides* spp. n.

Bruner, 4; Guatemala, *Orphula*, *Orphulella*, *Arnilia* and *Cornops* spp. n.

Brunner and Redtenbacher; *Phasmodae*, monograph, spp. n.

Burr, 1; Mexico, *Neolobophora* sp. n.

Caudell, Guatemala, list.

Hancock, 1; Costa Rica, *Tetriginae* sp. n.

Rehn, 2; Costa Rica, *Locustidae* 3 spp. n., *Gryllidae* gen. n.

(**Rehn, 12**; Notes on the Orthoptera of Costa Rica, with descriptions of new species.)

Antilles.

Inclusive of Bahamas and Bermudas. Trinidad *vide* South America.

Coleoptera.

Arrow, 3; *Passalidae* list, Grenada, *Neleides* sp. n.

Casey; Cuba, *Aleocharinae* and *Xantholinini* spp. n.

Desbrochers, 9; Guadeloupe, etc., *Cholides* 2 spp. n.

Kolbe, 4; *Strategus* l.st.

Lesne, 5; Jamaica and Lesser Antilles, *Bostrychidae* 2 spp. n.

Pic, 1; St. Domingo, *Physcius* sp. n.

Pic, 23; Guadeloupe, *Ptinus* and *Eupactus* sp. n.

Pic, 26; Guadeloupe, *Lobetus* sp. n.

Schwarz, 1; Cuba, *Pyrophorus* sp. n.

Verrill; Dominica, *Dynastes* 2 spp. n.

Hymenoptera.

André, 1; Haiti, *Ephuta* sp. n.

Ashmead, 1; Cuba, *Cryptini* gen. n.

Fernald, H. T.; *Chlorioninae* localities.

Kieffer, 10; Cuba, *Scelio* sp. n.

Wheeler, 3; Bermudas, *Prenolepis* sp. n.

Lepidoptera.

Hampson, 1; Bahamas and Jamaica, *Pyralidae* spp. n.

Hampson, 2; Jamaica, *Hydrocampa* 6 spp. n.

Hering; Jamaica, *Eudiotis* sp. n., Haiti *Desmia* sp. n.

Kaye, 1; Jamaica, *Chlosyne* sp. n.

Schaus; Cuba, *Caviria* and *Doa* sp. n.

Warren, 1; *Geometridae*, Cuba 14 spp. n., Jamaica 2 spp. n., Santa Lucia 1 sp. n.

Trichoptera.

Ulmier, 3; Jamaica, *Chimarra* sp. n.

Diptera.

Coquillett, 4; San Domingo, *Stegomyia* 2 spp. n.

Dyar and Knab, 1; Bahamas, Cuba, San Domingo, Martinique, *Culicidae* 9 spp. n.

Dyar and Knab, 3; *Culicidae*, Bahamas, S. Domingo, Cuba, Jamaica, 6 spp. n.

Grabham, 1; Jamaica, *Corethrella* sp. n.

Grabham, 2; Jamaica, *Culicidae* 3 spp. n.

Grabham, 3; Jamaica, *Culicidae* 4 spp. n.

Wheeler, 13; Porto Rico, *Puliciphora* sp. n.

Hemiptera.

Bergroth, 2; Jamaica, *Mezira* sp. n.

Melichar, 1; Jamaica, *Thionia* sp. n.

Odonata.

Calvert, 1; Porto Rico, *Micrathyria* sp. n.

Orthoptera.

Brunner and Redtenbacher; Jamaica, Cuba, *Phasmidae*, general work, spp. n.

Rehn, 3; Bahama Islands, *Orthoptera*, *Euryptis*, *Aphlebia* sp. n., n. gen. *Phasmidae*.

Collembola.

Börner, 4; *Cyphoderus* sp. n.

South America, including Trinidad.

Insecta.

Kieffer and Herbst; Chile, galls and gall-insects, *Cecidomyiidae* spp. n.

Coleoptera.

Arrow, 3; *Passalidae* 6 spp. n.

Bernhauer, 2; Staphyliniden 15 spp. n.

Bernhauer, 3; Venezuela, Peru, Bolivia, Brazil, *Staphylinidae* 19 spp. n.

Champion; *Cryptorhynchids*, *Zygopides* spp. n.

Desbrochers, 9; *Cholides*, many spp. n.

Felsche; Paraguay, *Megalosoma* sp. n.

Fowler; Peru, *Antichira* sp. n.

Germain and Kerremans; Chile *Buprestidae* 9 spp. n.

Gounelle, 1; Argentina, gen. n. *Cerambycides*.

Gounelle, 3; *Hoplistocerus*, *Cycloplus*, *Taurolema*, *Gymnocerus* spp. n.

Grouvelle, 8; Argentina, *Nitidulidae* gen. n.

Grouvelle, 3; Amazons and Cayenne, *Perilopa*, *Pseudostelidota*, *Phloeodalis* spp. n.

Grouvelle, 4; Argentina and Paraguay, *Nitidulidae* 3 spp. n.

Hagedorn; *Scolytidae*, *Dryocoetes* and *Xyleborus* 7 spp. n.

Heller, 1; *Curculionidae* 18 spp. n.

Horn, 5; Matto Grosso, *Cicindela* sp. n.

Jacoby, 3; *Homophoeta*, *Asphaera*, *Oedionychis*, about 120 spp. n.

Jensen-Haarup; Mendoza, *Berosus* sp. n.

Kerremans, 3; *Buprestidae* spp. n.

Klages, 2; Venezuela, *Copridae* gen. n.

Kolbe, 1; Colombia, *Daemonoplus muizzechi*.

Kolbe, 4; *Strategus* 3 spp. n.

Lesne, 1; Chaco argentin, *Micrapate* sp. n.

Lesne, 2; Patagonie, *Nyctelia* sp. n.

Lesne, 5; Brazil, *Bostrychidae* 2 spp. n.

- Lesne, 6**; *Sinoxylinae*, revision, 2 spp. n.
- Lewis, 2**; Peru, *Lioderma* sp. n.
- Maindron, 9**; *Carabidae* 10 spp. n.
- Olivier, 1**; Colombia, *Lucidota* 2 spp. n.
- Pic, 1**; *Lobetus* and *Macrosiagon* spp. n.
- Pic, 2**; *Silis*, *Podabrus*, *Discodon* spp. n.
- Pic, 14**; Mendoza, *Ptinus* sp. n.
- Pic, 17**; *Spermophagus* and *Maronius* spp. n.
- Pic, 26**; *Maronius*, *Thisias*, *Trypherus*, *Conomorplus*, *Physcius*, *Anthicus* spp. n.
- Pic, 29**; *Maronius*, *Lobetus*, *Belotus* 12 spp. n.
- Pic, 33**; *Telephorides* 28 spp. n.
- Pic, 38**; Argentina, *Anthicides* 3 spp. n.
- Schenkling, 1**; *Cleridae* spp. n.
- Schwarz, 1**; *Elateridae* 72 spp. n.
- Solari, 3**; *Barini* 9 spp. n.
- Weise, 2**; Brazil, *Pristonema* sp. n.
- Weise, 6**; Peru and Bolivia, *Gavirga* 2 spp. n.
- Weise, 10**; Argentina, Chili, Brazil, *Coccinellidae* 7 spp. n.
- (**Boucomont, 2**; Espèce nouvelle de *Bolbocerass*.)
- (**Fairmaire, 6**; Coléoptères de l'Argentine.)
- (**Fairmaire, 8**; Trois coléoptères du Brésil.)
- (**Fairmaire, 11**; Coléoptères hétéromères de la République Argentine.)
- (**Gounelle, 5**; *Coremia* de l'Argentine.)
- (**Pic, 42**; *Anthicus* nouveau de l'Amérique méridionale . . .)
- (**Théry, 2**; Buprèstides.)
- Hymenoptera.*
- André, 1**; *Mutillidae* 19 spp. n.
- Brèthes, 1**; Argentina, *Eumenidae* 10 spp. n.
- Brèthes, 3**; Argentina and Paraguay, *Vespidae* and *Eumenidae* 39 spp. n., Brazil, 1 sp. n.
- (N-9720 j)
- Buysson, R. du, 1**; Mendoza, *Hyménoptères*; *Vespidae*, *Chrysis* sp. n.
- Cameron, 8**; Amazons, *Polybia* 3 spp. n.
- Cameron, 22**; Amazons, *Chartergus* and *Polybia* 3 spp. n.
- Du Buysson, R., 2**; *Apocia* and *Synoecca*, localities.
- Du Buysson, R., 1**; Patagonie, *Pepsis limbata*.
- Ducke, 1**; Amazons, *Polistomorpha* sp. n.
- Ducke, 2**; Brazil, *Halictus* spp. n.
- Ducke, 7**; Brazil, *Vespidae* 5 spp. n.
- Ducke, 4**; Amazons region, distribution within.
- Ducke, 5**; Bienen der Amazonasländer.
- Ducke, 6**; Pará, *Vespidae* 3 spp. n.
- Emery, 6**; *Atta*, revision, 6 spp. n.
- Emery, 7**; *Formicidae* 38 spp. n.
- Enderlein, 5**; Santa Catharina, *Brachygaster* 2 spp. n.
- Enderlein, 10**; Colombia and Peru, *Stephaniidae* 2 spp. n.
- Fernald, H. T.**; *Chlorioninae*, localities.
- Forel, 2**; *Pseudomyrma*, *Cryptocerus*, *Azteca*, *Camponotus*, spp. n.
- Friese, 1**; *Apidae* 4 spp. n.
- Friese, 2**; Chile and Argentina, *Apidae* 11 spp. n.
- Friese, 3**; Chile and Argentina, *Oediscelis* 3 spp. n.
- Friese, 4**; Argentina, *Camponotus* and *Ptiloglossa* 4 spp. n.
- Friese, 5**; Chile and Argentina, *Apidae* gen. n. near *Andrena*.
- Kieffer, 1**; Argentina, *Cynipidae* sp. n.
- Kieffer, 3**; Chile, Brazil, *Braconidae*, *Evanidae*, *Platyasterides* 3 spp. n.
- Kieffer, 4**; Paraguay and Uruguay, *Proctotrypidae* 2 spp. n.
- Kieffer, 5**; Brazil, *Cynipidae* sp. n.
- Kohl, F. F., 2**; *Pompilus* sp. n., *Nortonia* sp. n.
- Konow, 1**; *Lophyrini* 26 spp. n.
- Konow, 2**; *Argini* 42 spp. n.

Mayr; Para and Blumenau, Feigen-Insekten 4 spp. n.

Mocsáry, 1; Asuncion, *Jugurtia* sp. n.

Schrottky, 1; Paraguay, *Evaniidae* 7 spp. n.

Schrottky, 3; Paraguay to Patagonia, *Apidae* 14 spp. n.

Schrottky, 4; Paraguay, *Trigonaliidae* gen. n.

Schrottky, 5; Paraguay, *Chalcididae* 2 spp. n.

Schrottky, 8; Paraguay, *Apidae*, *Prosoptis* 18 spp. n., *Augochloropsis* sp. n.

Schulz, W. A., 3; *Ampulicinae* gen. n., *Rhopalosoma* sp. n.

Schulz, W. A., 6; S. Brazil, *Seminota* sp. n.

Schulz, W. A., 1; Brazil, *Seminota* sp. n.

Smith, Harry S., 1; Argentina, *Caulopolisana* sp. n.

Szépligeti, 1; *Ielneumonidae* many spp. n.

Szépligeti, 2; *Braconidae* many spp. n.

Zavattari, 1; Argentina, *Caba*; Darien, *Alastor* sp. n.

Zavattari, 2; Darien, Ecuador, *Diploptera* spp. n.

(**Buysson Du, R., 6**; *Chrysidides* de l'Amerique du Sud.)

(**Vachal, 4**; *Lonchopria*, n. genre d'*Apidae*.)

(**Vachal, 6**; Voyage de M. G.-A. Baer, Tucuman (Argentine), *Mellifera*.)

Lepidoptera.

Dognin, 1; *Syntomidae*, *Lithosiinae*, *Arctianae*, *Geometridae*, *Pyralidae* 50 spp. n.

Dognin, 2; S. Amer., incl. Chile, *Geometridae* 23 spp. n.

Dohrn, 2; Ecuador, *Dianassa* sp. n.

Druce, Herbert, 1; Trop. S. America (chiefly Peru), *Bombyces* 58 spp. n. and *Euglyphia* sp. n.

Druce, Herbert, 2; Peru, *Bombyces*, 24 spp. n.

Dyar, 1; French Guiana, *Semyra* sp. n.

Hampson, 1; *Thyrididae* and *Pyralidae* spp. n.

Hampson, 2; *Hydrocampinae* 6 spp. n.

Hampson, 3; S. Amer., incl. Patagonia, *Noctuidae*, catalogue *Cucullianae* 4 spp. n.

Hering; Brazil, etc., *Desmia*, *Eudiotis*, *Stenoptycha*, *Lineodes* spp. n.

Kaye, 1; Guiana *Rhopalocera* 4 spp. n.

Klages, 1; Venezuela, *Syntomidae* 27 spp. n.

Lathy, 1; *Heliconius* 3 new forms.

Lathy, 2; Ecuador, *Pronophila* 2 spp. n.

Mabille, 1; Peru, *Chaerephon* sp. n.

Meyrick, 2; *Imma* 5 spp. n.

Pfitzner, 1; Venezuela *Phassus* sp. n., Peru *Triodia* sp. n.

Rothschild, W., 1; Paraguay, *Dysdaemonia* sp. n.

Rothschild and Jordan, 1; *Sphingidae* 4 spp. n.

Rothschild and Jordan, 3; *Papilio* revision, localities and 7 spp. n.

Schaus; *Bombyces*, *Noctuidae*, *Pyralidae* 113 spp. n.

Spuler; n. gen. *Tineidae* on *Bradypus*.

Stichel, 2; Brasilien, *Brassolis* sp. n.

Warren, 1; *Geometridae* and *Epiplemidae* 228 spp. n.

Weeks, 1; Venezuela, *Ecesia*, *Ithomia*, *Thecla*, *Euselasia*, *Charis*, *Methonella*, *Nymphidium*, *Carystus*, *Pythonides*, *Pamphila* spp. n.

Weeks, 2; Venezuela, *Hesperidae* 5 spp. n.

Weeks, 3; Venezuela, *Adelpha*, *Meseue*, *Nymphidium*, *Ithomia*, *Euselasia*, sp. n., *Hesperidae* 5 spp. n.

Weymer, 1; Bogota, *Heliconius* 2 spp. n.

Weymer, 2; Argentina, *Automeris* sp. n.

(**Dognin, 3**; Papillons nouveaux.)

(**Joannis, 4**; Lepidoptères nouveaux du Brésil.)

(**Oberthür, 11**; Nouveaux Sphingides.)

(**Thierry Mieg, 1**; Lépidopères nouveaux *h f df.*)

Trichoptera.

Ulmer, 3; Ecuador, Brazil, Patagonia, spp. n.

Neuroptera.

Enderlein, 19; Peru, Chile, *Coniapterygidae* 7 spp. n.

Diptera.

Brèthes, 2; Argentine, *Sarcophaga* sp. n.

Coquillett, 4; Trinidad, *Culicidae* 3 spp. n.

Dyar and Knab, 1; Trinidad, Surinam, Ecuador, *Culicidae* 6 spp. n.

Dyar and Knab, 2; Trinidad 6 spp. n.

Dyar and Knab, 3; Trinidad, *Culicidae* 5 spp. n.

Fiebrig; Paraguay, *Acanthomera* sp. n.

Kieffer, 7; Chile and Colombia, *Ceratotopogon*, *Orthocladus*, *Muscidae* gen. n., *Urophora*; spp. n.

Roubaud, 2; Ecuador and Venezuela, *Simulium* 3 spp. n.

Roubaud, 10; Brazil, *Simulium* sp. n.

Tavares, 5; Brazil n. gen. *Cecidomyiidae*.

Aphaniptera.

Jordan and N. C. Rothschild; *Hectopsylla* 2 spp. n.

Hemiptera-Heteroptera.

Bergroth, 10; Venezuela *Plocariinae* 6 spp. n.

Breddin, 3; Manaos and Ecuador and Peru, *Galedanta*, *Nezara*, *Stiretrus*, *Coryzorhaphis*, spp. n.

Reuter, 9; Venezuela, *Capsidae* 19 spp. n.

(**Bergroth, 11;** *Rhynchota neotropica*.)

(**Kirkaldy, 13;** *Tingides* nouveaux ou peu connus du Peru.)

Homoptera.

Distant, 2; Brazil, *Cicadatra* sp. n.

Distant, 3; Patagonia, *Tettigades* sp. n.

Distant, 6; Chili, *Tettigades* sp. n.

Distant, 11; Brazil, Argentina, *Cicadidae* 5 spp. n.

Distant, 12; *Fulgoridae* 3 spp. n., *Cicadidae* sp. n.

(N-9720 j)

Distant, 13; *Fulgoridae* 10 spp. n.

Distant, 15; Bolivia, *Cladypha* sp. n.

Melichar, 1; *Issides* Monographie spp. n.

Schmidt, Edmund, 4; Brazil, Peru, Colombia and Ecuador, *Membracidae* 8 spp. n.

Schmidt, Edmund, 5; Ecuador, *Diareusa* sp. n.

Coccidae.

Cockerell, 24; Paraguay, *Eriococcus dubius*.

Cockerell, 25; Argentina, *Pseudococcus*.

Leonardi, 1; Matto Grosso, *Hemichionaspis* sp. n.

(**Cockerell, 31;** Three new South American *Coccidae*.)

Psocidae.

Enderlein, 13; Peru and Argentina, 2 spp. n.

Enderlein, 17; Brazil, *Psocidae* 4 spp. n.

Mallophaga.

Kellogg, 5; Argentina, 6 spp. n.

Termitidae.

Holmgren, 2; Peru and Bolivia, *Termiten* 26 spp. n.

Odonata.

Calvert, 1; *Libellulinae* localities, *Orthemis* sp. n.

Förster, 2; Surinam gen. n.

Orthoptera.

Borelli, 2; Ecuador, *Ancistrogaster* sp. n.

Bruner, 2; Trinidad, 25 spp. n., *Forficulidae*, *Blattidae*, *Mantidae*, *Acridiidae*, *Locustidae*, *Gryllidae*.

Bruner, 3; Paraguay, *Acridiidae* catalogue, 40 spp. n.

Brunner and Redtenbacher; *Phasmidae*, general work, spp. n.

Caudell, 1; Paraguay, *Locustidae* 8 spp. n., *Gryllidae* list.

Caudell, 5; Colombia, *Autolyca* sp. n.

Hancock, 1; *Tetriginae* spp. n.

Hancock, 2; Peru *Tettigidae* 2 genn. n.
Rehn, 1; Matto Grosso, *Acridiidae*
 10 spp. n.

Rehn, 4; Brazil and Paraguay, *Acridiinae* 6 spp. n.

Rehn, 5; British Guiana, *Blattidae*
 4 spp. n., *Angela* sp. n., *Ceroys* sp. n.

Rehn, 9; from the Amazons, *Taxiarchus* sp. n.

Shelford, R., 2; French Guiana, new symbiotic *Blattid*.

Shelford, R., 1; *Blattidae* 10 spp. n.

(**Bruner, 5**; two new South American grasshoppers.)

(**Bruner, 6**; two remarkable new Costa Rican locusts.)

(**Rehn, J., 11**; records of some Paraguayan Orthoptera.)

Thysanura.

Escherich, 2; Pará n. gen., *Termitophilous*.

Silvestri, 2; French Guiana, *Machilinus* sp. n.

Collembola.

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Wahlgren, 1; Tierra del Fuego *Collembola* spp. n.

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Molops merditanus (1664), *sturanyi* (1665), Albanien, **spp. n.**, APFELBECK Wien SitzBer. Ak. Wiss. **115** Abt. I.

Mormolyce; account of, ROUSSEAU Gen. ins. fasc. 40, 5 pp., 1 pl.

Nebria merditana (1661), *sturanyi* (1662), Nordalbanien, **spp. n.**, APFEL-

BECK Wien SitzBer. Ak. Wiss. **115** Abt. I.—*N. latiuscula* **sp. n.**, *parvicollis* var. n. *5-punctata*, (19), POPPIUS Öfvers. F. Vet. Soc. **48** No. 3. —*N. pulchrior* Yun-nan, MAINDRON (226) Paris Bull. Soc. ent. **1906**, **sp. n.** —*N. bourderji* Yun-nan, MAINDRON (250) T.c., **sp. n.**

Nomius pygmaeus, MAINDRON T.c. (280–282).

Nothochalybe **nom. n.**, pro *Amoeboea* Péring. 1896, MAINDRON (251) T.c.

Nothodaptus **nom. n.**, pro *Agriodius* Péring. 1896, MAINDRON (252) T.c.

Notiophilus; the N. American; *simulator* (86), *nemorialis* (88), **spp. n.**, N. America, FALL Psyche **13**.

N. melanophthalmus Schloss. identisch mit *biguttatus* Fabr., CSIKI Ann. Hist.-Nat. Mus. Nat. Hung. (619) **7**.

Omphreus albanicus Albania **sp. n.**, APFELBECK Wien SitzBer. Ak. Wiss. **115** Abt. I. (1666).

Onota longipennis (200), *vitticollis*, *limbipennis*, (201), Brasilia, MAINDRON Paris Ann. Soc. ent. **75**, **spp. n.**

Oreodicastes gounellei Brasilia, MAINDRON (195) T.c., **sp. n.**

Otoglossa lagenula Brasilia, MAINDRON (202) T.c., **sp. n.**

Paraleirides subgen. n. vide *Amara*.

Parastrigia **nom. n.**, pro *Rhathymus* Dej. (83), MAINDRON Paris Bull. Soc. ent. **1906**.

Pheropsophus (Stenaptinus) subg. n., *kriehna* Assau, MAINDRON (15) T.c., **sp. n.**

Phloeotherates procerus Putz., MAINDRON T.c. (251).—*P. luctuosus* Brasilia, *stricticollis* Peruvia, MAINDRON (196) Paris Ann. Soc. ent. **75**, **spp. n.**

Platyderus languidus = (*Sphodrus parumpunctatus* Fairm.), BEDEL (91) Paris Bull. Soc. ent. **1906**.—*P. filiformis*, *iniquitus*, Tunisie, BEDEL Cat. rais. Tunisie, **spp. n.**

Platynus (Europhilus) albanicus, Lena Valley, POPPIUS (37) Öfvers. F. Vet. Soc. **48** No. 3, **sp. n.**

Poecilus angusticollis Lena Valley, POPPIUS (37) T.c., **sp. n.**

Pogonus angusticollis sp. n. Transkaspien, POPPIUS Entomol. Ztg. Wien 25 (213).

Procrustes coriaceus larva, PLANET (11 and 12) Naturaliste 1906.

Pseudobrosceus cf. *Broscomimus*.

Pseudoceryobius merged in *Cryobius*, POPPIUS (7) Helsingfors Acta Soc. Fauna Fl. Fenn. 28 No. 5.

Pseudaptinus Cast. = (*Diaphorus* Dej.), MAINDRON (252) Paris Bull. Soc. ent. 1906.

Pterostichus (*Papinopterus* *doctii*, *latifianus*, Albanien, (1663), spp. n. APFELBECK Wien SitzBer. Ak. Wiss. 115 Abt. I.—*P. (Derulus) jaceutorum* (1), with var. *angustior* (3), *algidus* (4), spp. n., Siberia; *samojedorum* var. n. *gracilentus* (4); POPPIUS Helsingfors Öfvers. F. Vet. Soc. 47 No. 3.—*P. brandoi* (43), *lenensis* (44), Lena Valley, POPPIUS Öfvers. F. Vet. Soc. 48 No. 3, spp. n.—*P. pfizenmayeri* (201), *P. (Petrophilus) submetallescens* (203), *montivagus* (205), *P. (Pseudoceryobius) herzi* (207), *lamuticus* (208), spp. n. E. Siberia, *stuxbergi* subsp. n. *repandus* (208); POPPIUS St. Petersburg Ann. Mus. Zool. Ac. Sci. 10.—*P. (Argutor) oreinulus* Reitt. sp. n. Altai, POPPIUS Entomol. Ztg. Wien 25 (214).—*P. korbi sublaevicollis* var. n., GANGLBAUER (272) Wien Ann. Hofmus. 20.—*P. impressicollis* var. n. *fairmairei* (101), *glacialis* var. n. *ambigenus* (119), *phaeopus* var. n. *pedemontanus* (174); DESBROCHERS Frelon 14.—*P. armenus* Fald. var. n. *tuberculifer* Kaukasus, KOENIG Entomol. Ztg. Wien 25 (23).

Scarites lucida, Beinbildung u. Lebensweise, FAUSSEK St. Petersburg Zap. Russ. Geogr. Obsč. 27.

Sphodrus parumstriatus vide *Platyderus languidus*.—*S. (Taphoxenus) cerberus* Asia Minor, GANGLBAUER (271) Wien Ann. Hofmus. 20, sp. n.

Stenaptinus subg. n. v. *Pheropsophus*.

Tetragonoderus extremus Tunisie, BEDEL Cat. rais. Tunisie, sp. n.

Trechus dayremi Lectoure, DE SAULOU (188) Paris Bull. Soc. ent. 1906, sp. n.—*Trechus (Anophthalmus) erebus* Untersteiermark (257), *budae-hercegovinensis* Herzegovina (259), spp. n., KRAUSS Entomol. Ztg. Wien 25.—*T. wienckei* pl. i, figs. 2 and 6, *antarcticus*

Dej. f. 4, ROUSSEAU (20) Résultat. Belgica.—*T. merditanus* sp. n. Albanien, APFELBECK Wien SitzBer. Ak. Wiss. 115 Abt. I. (1663).

Zabrus ganglbaueri sp. n. Albanien, APFELBECK Wien SitzBer. D. Ak. Wiss. 115 Abt. I. (1667).—*Z. pentheri* (272), *iconiensis* (273), Asia Minor, GANGLBAUER Wien Ann. Hofmus. 20, spp. n.

The following entries have appeared previously in the Zoological Record.

(*Acroleistus* n. subgen, *Leistus*, REITTER, Entomol. Ztg. Wien, 24, 1905, (214).)

(*Anisodactylus crongeti* sp. n., PUEL, Paris, Bul. Soc. ent., 1904, (160).)

(*Anophthalmus hulfi* sp. n., Herzegovina, REITTER, Entomol. Ztg., Wien, 22, 1903, (212).—*A. ottonis*, Bosnien, REITTER, op. cit., 24, 1905, (311), sp. n.—*A. bilimeki* subsp. n. *tergestinus*, Nordistrien, Küstenland, MÜLLER, Entomol. Ztg., Wien, 24, 1905, (32).)

(*Aristodocnus* gen. n. (= *Macrotelus* Chaudoir), MAINDRON, Paris, Bul. soc. ent., 1904).

(*Calodromius* subgen. n. *Dromius*, REITTER, Entomol. Ztg., Wien, 24, 1905, (230).)

(*Carenidium purpuratum*, Winton, Queensland, SLOANE, Sydney, N.S.W., Proc. Linn. Soc., 30, (128), sp. n.)

(*Carenum concinnum*, East Murchison, West Australia, SLOANE, T.c. (117), sp. n.)

(*Clivina doddi* (715), *erebifrons* (717), *atrifrons* (718), Townsville, Queensland, *nigra*, Mulwala, (722), *dingo*, Cairns, (724), *pectonoda*, Townsville, (725), *misella* (727), *pallidiceps*, Mulwala, (728), *cylindripeennis*, West Australia, (729), *robusta*, Gosford, (731), *obliquicollis*, West Australia, (732), spp. n.; *ovalipennis* nom. mut., (= *C. ovipennis* Sloane not *C. ovipennis* Chaudoir), (733); SLOANE, T.c.)

(*Crepidopterus favrei*, MAINDRON, (264), Paris, Bul. soc. ent., 1904, sp. n.)

(*Dromiolus* subgen. n. *Dromius*, REITTER, Entomol. Ztg., Wien, 24, 1905, (230).)

(*Dromius*, Artübersicht, *angustus* *bescidicus* var. n., *strigiceps* nom.

n., für *strigifrons* Reitt., *stolzi*, Kroatien, Turkestan, (239), sp. n., *D. conicipennis*, FAUVEL, Rev. ent., Caen, **24**, 1905, sp. n.)

(*Dyschirius fleischeri*, DEVILLE, Paris, Bul. soc. ent., **1904**, (29–30), sp. n.)

(*Euleistulus* subgen. n. *Leistus*, REITTER, Entomol. Ztg, Wien, **24**, 1905, (214).)

(*Eurycallidos* nom. n., MAINDRON, Paris, Bul. soc. ent., **1905**.)

(*Foreipator* gen. n. (*Oxytonus* Latr.), MAINDRON, Op. cit., **1904**.)

(*Glycia rufolimbata*, MAINDRON, Paris, Ann. soc. ent., **74**, sp. n.)

(*Gynandromorphus* (*Morphogynandrus* subgen. n.) *peyrossi*, Syrie, CARRET, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Iharpalini*, Systematik, REITTER, Entomol. Ztg, Wien, **20**, (109–113).)

(*Hypolithus incertus*, MAINDRON, Paris, Ann. soc. ent., **72**, sp. n.)

(*Lachnolebia* nom. n., MAINDRON, Paris, Bul. soc. ent., **1905**.)

(*Laemosthenes cavicola* subsp. n. *romualdi*, Südtirol, MÜLLER, Entomol. Ztg, Wien, **24**, 1905, (32).)

(*Leistophorus* subgen. n., *Leistus*, REITTER, Entomol. Ztg, Wien, **24**, 1905, (213).)

(*Leistus*, Artübersicht, REITTER, T.c. (209–225); *sutomorensis*, Süddalmatien (215), *nunganasti*, Arragonien (217), *danieli*, Dalmatien (221), spp. n., *id.*, T.c.)

(*Licinoderus* gen. n., *chobauti* sp. n., Pyrénées, SAINTE CLAIRE DEVILLE, Paris, Bul. soc. ent., **1905**.)

(*Lioscarites* gen. n. (= *Holcogaster* Chaud.), MAINDRON, Paris, Bul. soc. ent., **1904**.)

(*Metabletus xanthomus*, MAINDRON, Paris, Ann. soc. ent., **74**, sp. n.)

(*Manodromius* subgen. n., *Dromius*, REITTER, Entomol. Ztg, Wien, **24**, 1905, (229–239).)

(*Odontocarus propagatur*, Buchara, REITTER, Entomol. Ztg, Wien, **20**, (109–112).)

(*Oreodicastes* gen. n., MAINDRON, Paris, Bul. soc. ent., **1905**.)

(*Philoscaphus bicostratus*, Townville, SLOANE, Sydney, N.S.W., Proc. Linn. Soc., **30**, (114).)

(*Platysphyrus* gen. n., *P. tibialis* sp. n. (711), SLOANE, T.c. (710).)

(*Poecilothois* gen. n., MAINDRON, Paris, Bul. soc. ent., **1905**.)

(*Styphromerus tellinii*, MAINDRON, Paris, Ann. soc. ent., **74**, sp. n.)

(*Teratidium convexum*, Cooktown, Frenchi, Roebuck Bay, West Australia, SLOANE, Sydney, N.S.W., Proc. Linn. Soc., **30**, (134).)

(*Tachys netuschili* Unterägypten, REITTER, Entomol. Ztg, Wien, **22**, 1903, (173), sp. n.)

(*Trechus* (*Anophthalmus*) *diniensis* sp. n., *diniensis cantus* subsp. n., PEYERIMHOFF, Paris, Bul. soc. ent., **1904**.—*T. (Anophthalmus) pueli*, CHABAUT, Paris, Bul. soc. ent., **1904**, (212–214), sp. n.—*T. (Anophthalmus) roberti, esculerae*, ABEILLE DE PERRIN, Paris, Bull. Soc. ent., spp. n.—*T. (Anophthalmus) jeanneti* ABEILLE DE PERRIN, Paris, Bul. soc. ent., **1905**, sp. n.—*T. (Anophthalmus) vulcanus* sp. n., *orpheus* var. *subparallelus* var. n., ABEILLE DE PERRIN, Paris, Bul. Soc. ent., **1904**, (198, 199).)

(*Trichocarenum castelnani*, Roebuck Bay, SLOANE, Sydney, N.S.W., Proc. Linn. Soc., **30**, (123), sp. n. [Carabidae])

HALIPLIDAE.

Peltodytes speratus Kavirondo, RÉGIMBART (235) Paris Ann. Soc. ent. **75**, sp. n.

(*Haliplus laminatus* var. n. *punctulatus*, Oesterreich, PENECKE Entomol. Ztg. Wien **20** 1901 (11–21).)

DYTISCIDAE.

Ampoule rectale, BORDAS Paris. C.-R. soc. biol. **61** 1906 (503–505).

Agabus (Gaurodytes) aenescens (18), *dubiosus* (20), E. Siberia, spp. n.; *A. femoralis* var. n. *pallens* (22); POPPIUS Helsingfors Öfvers. F. vet. Soc. **47** No. 16.—*A. affinis, unguicularis* distinguished, BROWNE (273–275) plates xii and xiii Ent. Rec. 1906.—*A. fulvaster, luteaster* spp. n., Südost-Russland und Nordost-Sibirien, ZAITZEV Rev. russ. ent. **6** (26–28).—*A. (Gaurodytes) gelidus* Finland, SAHLBERG (15) Helsingfors Medd. Soc. Fauna **32**, sp. n.

Anisomera clausi, larva, MJÖBERG (4-6) pl. i f. 1 Uppsala Arkiv. Zool. 3 No. 13.

Bidessus brevistriga Kavirondo, RÉGIMBART (245) Paris Ann. Soc. ent. 75, sp. n.

Cautlydrus allnaudi Nairobi, RÉGIMBART (247) T.c., sp. n.

Clypeodytes neumanni Afrique or., RÉGIMBART (242) T.c., sp. n.

Copelatus aethiopicus (250), *atrosulcatus* (251), Afrique or., RÉGIMBART T.c., spp. n.

Dytiscus punctulatus, early stages, SOPP (50-57) Rep. Lancash. ent. Soc. 1905. — *D. marginalis*, Lebensweise, WANKE Allg. Fischereiztg. München 31 (310, 311).

Heroplydrus variabilis Kijabé, RÉGIMBART (238) Paris Ann. Soc. ent. 75, sp. n.

Hydaticus laevinusculus sp. n. Mandshurei, POPPIUS Rev. Lancash. ent. 6 (58, 59). — *H. rugosus* E. Siberia, POPPIUS (23) Helsingfors Öfvers. F. vet. Soc. 47 No. 16, sp. n.

Hydroporus (*Nebrioporus* subg. n.) *kilimandjarensis* Africa, RÉGIMBART (236) Paris Ann. Soc. ent. 75, sp. n. — *H. nobilis* (10), *tomentosus* (12), *punctatissimus* (14), *lenensis* (15), E. Siberia, POPPIUS Helsingfors Öfvers. F. vet. Soc. 47 No. 16, spp. n. — *H. (Deronectes) peyerimhoffi* Algérie, RÉGIMBART (204) Paris Bul. soc. ent. 1906, sp. n.

Hyphydrus maculiceps, variolosus, (239), *nigrovittatus* (240), Afrique or., RÉGIMBART Paris Ann. soc. ent. 75, spp. n.

Laccophilus pilitarsis (247), *flaveolus, productus*, (249), RÉGIMBART T.c., spp. n.

Macrodytes delictus sp. n. Ost-Sibirien, ZAITZEV Rev. russ. ent. 6 (26-28).

Nebrioporus subg. n. vide *Hydroporus*.

Platynectes decempunctatus var., RÉGIMBART (21) Wichmann Nova Guinea 5.

Rhantus pulverosus in sea-water, CHILTON (63) Wellington Trans. N. Zeal. Inst. 38.

Sietitia balsetensis Abeille, et la faune aquatique hypogée, JEANNEL Paris Bul. soc. ent. 1906 (98-101) av. fig.

Yola frontalis, dilatata, Afrique or., RÉGIMBART (243) Paris Ann. soc. ent. 75, spp. n.

(*Hydroporus normandi*, RÉGIMBART, Paris, Bul. soc. ent., 1903, (254-255), sp. n.)

(*Dytiscus punctulatus* Fabr. var. n. *expectata*, PEYERIMHOFF, Paris, Bul. soc. ent., 1905.)

(*Sietitia* gen. n., *balsetensis* sp. n., ABEILLE DE PERRIN, Paris, Bul. soc. ent., 1904.)

(*Régimbart*, Maurice. Note sur le *Sietitia balsetensis* Ab., Paris, Bul. soc. ent., 1905, (252-254).)

GYRINIDAE.

Anlonogyrus flaviventris, hypoxanthus, epipleuricus, Afrique or., RÉGIMBART (253) Paris Ann. soc. ent. 75, spp. n.

Dineutes tetracanthus New Guinea, RÉGIMBART (21) Wichmann Nova Guinea 5, sp. n.

†*Gyrinus sculpturatus*, Sweden, glacial, MJÖBERG (233) f. 1 Stockholm Geol. För. Förh. 27, sp. n.

Orectogyrus laticostis (254), *rugulifer* (255), *feminalis* (257), *coptogynus, erosus*, (258), spp. n.; *leroqi* Rég. var. n. *nairobensis tavelensis* (256), RÉGIMBART Paris Ann. soc. ent. 75.

HYDROPHILIDAE.

Berosus engellarti sp. n. Mendoza Argentina, JENSEN-HAARUP Kjöbenhavn Ent. Medd. 3 (50-51). — *B. tetracanthus, gracilispinus*, (264), *subglobosus* (265), *corrugatus* (266), Afrique or., RÉGIMBART Paris Ann. soc. ent. 75, spp. n.

Cercyon limbicollis Kilimandjaro, RÉGIMBART (270) T.c., sp. n. — *C. littoralis*, early stages, MJÖBERG (138) figs. 1 and 2 Zs. wiss. Insektenbiol. 2.

Coelostoma transeaspicum sp. n. Transcaspien; *orbiculare* varr. n. *puncticollis, subaereum* and *nigrinus*; REITTER Entomol. Ztg. Wien, 25, (32).

Cyclonotum rubrocinctum Kilimandjaro, RÉGIMBART (269) Paris Ann. soc. ent. 75, sp. n.

Globaria simplex (268), *seriata* (269), Afrique or., RÉGIMBART T.c., **spp. n.**

Helechares melanophthalmus Reiche, varr. n. *notaticollis* and *curtus* (260), *laeviusculus* Kavirondo **sp. n.** (261); RÉGIMBART T.c.

Helopeltina **nom. n.** for *Helopeltis*, COCKERELL (240) Ent. News 17.

Hydraena; synopsis des, du nord de l'Afrique, SAINTE-CLAIRE DEVILLE Abeille 30 (283-287).—*H. brevipalpis* (276), *alluandi*, *kilimandjarensis*, (277), Afrique or., RÉGIMBART Paris Ann. Soc. ent. 75, **spp. n.**

Hydrochus albicans Afrique or., RÉGIMBART (273) T.c., **sp. n.**

Hydrophilus aterrimus, eggs, larva, embryology, MEGUŠAR Arch. EntwMech. Leipzig 22 (141-148).—*H.*, female sexual organs, correction, MEGUŠAR Zool. Anz. 30 (494).

Hydrous (Pagipherus) piesbergeni Salt Range (40), *H. sternalis* Ostturkistan (41), **spp. n.**, REITTER Entomol. Ztg. Wien 25.

Megasternum brunneum Kilimandjaro, RÉGIMBART (270) Paris Ann. Soc. ent. 75, **sp. n.**

Oculthebius strangulatus (274), *tenipunctus* (275), *rugulosus* (276), Afrique or., RÉGIMBART T.c., **spp. n.**

Philhydrus alluandi Afrique or., RÉGIMBART (262) T.c., **sp. n.**

Spercheus crenaticollis (271), *humeralis* (272), Afrique or., RÉGIMBART T.c., **spp. n.**

Sphaeridium obscurum Afrique or., RÉGIMBART (271) T.c., **sp. n.**

Volulus compressus (267), *obsoletus*, *ellipticus* (268), Afrique or., RÉGIMBART T.c., **spp. n.**

STAPHYLINIDAE.

Agerodes coelestinus Venezuela (324), *punctipennis* (325), *puncticollis* (326), Peru, BERNHAUER Wien Verh. zool.-bot. Ges. 1906, **spp. n.**

Aldochara **gen. n.** near *Aleochara* (145), *planiventris* **sp. n.** San Francisco (146), CASEY St. Louis, Tr. Ac. Sci. 16.

Aleochara densissima (345), *densiventris* (346), *soror*, *sparsicollis*, (347), **spp. n.**, Californien, BERNHAUER D. ent. Zs. 1906.

Aleochara gallo-rhéniens, (tableau traduit de l'allemand et abrégé des *Aleochara* du Dr. Max Bernhauer), DUBOIS Echange, 22, (53-55, etc.—*A. pernigra* **sp. n.** Kaschmir, SCHUBERT D. ent. Zs. 1906 (378).—*A. texana* (137), *fusicornis*, *sternalis*, (138), *algonquina* (139), *medialis* (140), *tahoensis*, *kansana*, *pleuralis*, (141), *ellipsicollis*, *americana*, *postpicta*, (142), *montanica*, *collusor*, (143), N. America, CASEY St. Louis Tr. Ac. Sci. 16, **spp. n.**

Aleuonota fenyesi **sp. n.** Californien, BERNHAUER D. ent. Zs. 1906 (337).

Amanota **gen. n.** near *Tachyusa* (189), *capensis* **sp. n.** S. Africa (190), CASEY St. Louis Tr. Ac. Sci. 16.

Amblopusa borealis Queen Charlotte isld., CASEY (355) T.c., **sp. n.**

Amenusa **gen. n.** near *Placusa*, *angustula* **sp. n.** California, CASEY (349) T.c.

Anepsiota terminalis Brit. Columbia, CASEY (340) T.c., **sp. n.**

Anisolinus bicolor Rhodesia **sp. n.**, BERNHAUER D. ent. Zs. Berlin 1906 (189).

Antimerus punctipennis N.S. Wales, LEA (195) pl. xviii f. 1 Sydney N.S.W. Proc. Linn. Soc. 31, **sp. n.**

Apalonia **gen. n.** near *Myrmedonia*, (323), *seticornis* **sp. n.** Florida (324), CASEY St. Louis Tr. Ac. Sci. 16.

Aracocnemis lauta Panama, CASEY (360) T.c., **sp. n.**

Astilbus cupulifer Biafra, FAUVEL (291) Madrid, Mem. Soc. esp. Hist. Nat. 1, **sp. n.**

Atmeles and *Lomechusa*, variation etc., WASMANN (568-571) Biol. Centralbl. 26.—*A.*, hosts; *A. pratensisoides*, habits; *A. paradoxus* var. n. *nigricans* (3); WASMANN Zs. wiss. Insektenbiol. 2 (1-12, 37-43).

Atheta (Meotica) dechorgnati Alger, DE PEYERIMHOFF (37) Paris Bull. Soc. entom. 1906, **sp. n.**—*A. (Metaxya) shuraevskyi* Russia, POPPIUS (311) St. Petersburg Ann. Mus. Zool. Ac. Sci. 10, **sp. n.**—*A. occidentalis*, *pasadenae*, (338), *sexualis* (339), *delicata* (340), *luctifera* (341), *dentata* (342), **spp. n.**, Californien, BERNHAUER D. ent. Zs. 1906.—*A. piccata* **sp. n.** Kaschmir, SCHUBERT D. ent. Zs. 1906 (378).—*A. silesiaca* **sp. n.**

Germany, GERHARDT, D. ent. Zs. Berlin (239-240), and Zs. Ent. Breslau 31 (10-12).

Athletota **gen. n.** for pt. of *Anepsiota*, *atriventris* **sp. n.** Vancouver, CASEY (337) St. Louis Tr. Ac. Sci. 16.

Atopocentrum **gen. n.** near *Philonthus* (327), *mirabile* **sp. n.** Peru (329) BERNHAUER Wien Verh. zool.-bot. Ges. 1906.

Bamona carolinae (355), *tenuissima* (356), N. America, CASEY St. Louis Tr. Ac. Sci. 16, **spp. n.**

Baptolinus americanus (426), *quadripennis* (427), *fraternus* (428), N. America, CASEY T.c., **spp. n.**

Baryodma robustula (152), *glenorana*, *uvudula*, *rotundicollis*, (153), *acomana*, *mannerheimi*, (154), *insulana*, *defecta*, (155), *affluens* (156), *imbricata*, *idonea*, *salicola*, (157), *densiventris*, *obsolescens*, (158), *recta* (159), *nitidicollis*, *nanella*, *innocua*, *deserticola*, (160), *minuta* (161), *suffusa*, *acuminata*, (162), N. America, *composita* Mexico (164), CASEY St. Louis Tr. Ac. Sci. 16, **spp. n.**—*B. bisolcata* S. Africa, CASEY (320) T.c., **sp. n.**

Belonuchus angusticollis Peru (330), *moritzi* Venezuela, *ganglbaueri* Bolivia, (331), *longiceps* (332), *frater*, *paradoxus*, (333), *skatitzkyi* (334), *vulneratus* (335), *asperatus* (336), Peru, BERNHAUER Wien Verh. zool.-bot. Ges. 1906, **spp. n.**—*B. semitestaceus* **sp. n.** Usambaras, SCHUBERT D. ent. Zs. 1906 (374).

Bledius gracilicornis Eur. Russia, POPPIUS (313) St. Peterburg Ann. Mus. zool. Ac. Sci. 10, **sp. n.**

Bolitobius distinctus **sp. n.** Kaschmir, SCHUBERT D. ent. Zs. 1906 (381).

Calochara **gen. n.** near *Aleochara*, (149), *rubripennis* **sp. n.** California (150), CASEY St. Louis Tr. Ac. Sci. 16.

Chilopora americana (306), *fuliginosa* (307), N. America, CASEY T.c., **spp. n.**

Chitalia intricata (234), *granulosa*, *illustris*, (235), *canadensis*, *nigrescens*, (236), *floridana* (237), N. America, CASEY T.c., **spp. n.**

Chlorotusa **gen. n.** near *Myrmedonia*, *megalops* **sp. n.** Texas, CASEY (324) T.c.

Cryptobium opacum (186), *puncticeps* (185), **spp. n.**, Rhodesia, BERNHAUER D. ent. Zs. Berlin 1906.

Ctenochara **gen. n.** for *Aleochara clavicornis* Redt., CASEY (134) St. Louis Tr. Ac. Sci. 16.

Dabra termitophila (215), *convexicollis* (216), Australia, LEA Sydney N.S.W. Proc. Linn. Soc. 31, **spp. n.**

Dasytlossa prospera Er. = (*Oxytoda congruens* Cas.), CASEY (318) St. Louis Tr. Ac. Sci. 16.

Dialycera bimaculata Asia Minor (578), *minuta* Syria (582), LUZE Wien Verh. Zool.-bot. Ges. 1906, **spp. n.**

Dianusa **gen. n.** near *Silusa*, *pasadenae* **sp. n.** California, CASEY (346) St. Louis Tr. Ac. Sci. 16.

Dinarda: the variation, WASMANN (565-568) Biol. Centralbl. 26.

Dinolinus **gen. n.** for *Xantholinus chalybeus* and *rutilus*, CASEY (373) St. Louis Tr. Ac. Sci. 16.

Dioclus brevipennis (431), *thoracicus*, *pallidiceps*, (432), N. America, *astutus* S. Africa (433), CASEY T.c., **spp. n.**

Diplopsis laevipennis Paraguay, BERNHAUER (323) Wien Verh. zool.-bot. Ges. 1906, **sp. n.**

Ditropalia **gen. n.** for *Bolitochara bella* etc., CASEY (263) St. Louis Tr. Ac. Sci. 16.

Drusilla cunicollis Alaska, CASEY (322) T.c., **sp. n.**

Drusillota **gen. n.** near *Drusilla*, *polita* **sp. n.** S. Africa, CASEY (321) T.c.

Echiochara **gen. n.** for *Rheochara lucifuga* Cas., CASEY (177) T.c.

Emplenota quadrifer, *trilimbata*, California, CASEY (175) St. Louis Tr. Ac. Sci. 16, **spp. n.**

Ephelinus **nom. n.** for *Ephelis* Fauv., COCKERELL (241) Ent. News 17.

Eucharina **gen. n.** near *Baryodma* (165), *tibialis*, *rugosa*, (166), *debilicornis*, *cylindrella*, (167), **spp. n.**, N. America, including also *Aleochara sulcicollis* Mann., CASEY St. Louis Tr. Ac. Sci. 16.

Eucryptusa **gen. n.** for *Silusa nanula* Cas., CASEY (345) T.c.

Euliusa **gen. n.** near *Gnypeta* (215), *majuscula*, *sparsella*, (217), *elsinorica*, *transversa*, (218), *mollis* (219), *pinalis citrina*, (220), **spp. n.**, N. America, CASEY St. Louis Tr. Ac. Sci. 16.

Enmicrota **gen. n.** near *Gyrophæna* (280), *humeralis*, *texanella*, (282), *melania*, *pallidula*, *pinalica*, (283), N. America, *azteca* Mexico, *minutissima*, *atoma*, N. America, (284), *cornuta* Cuba (285), **spp. n.**, also *G. socia* Er. and *pumila* and *parvula* Shrp., CASEY T.C.

Euromota **gen. n.** near *Homalota*, *lucida* **sp. n.** Virginia, CASEY (338) T.C.

Euryenemus **gen. n.** near *Xanthopygus* (190), *imperialis* **sp. n.** Cameroons (191), BERNHAUER D. ent. Zs. Berlin 1906.

Eurynotida **gen. n.** near *Atheta*, *ornata*, (343), *arizonica* (344), **spp. n.** N. America, CASEY St. Louis Tr. Ac. Sci. 16.

Falgaria *iowana*, *ithacana*, (247), *subsimilis*, *texana*, (248), *angulata* (249), N. America, CASEY T.C., **spp. n.**

Falagrioma **gen. n.** for *Falagria thoracica* Curt., CASEY (230) T.C.

Falagriota **gen. n.** near *Falagria* (256), *lucida*, *asperula*, *picina*, (257), *evanesceus*, *collaris*, (258), *parvipennis* (259), N. America, **spp. n.**, CASEY T.C.

Gastrisus nitidus Brazil **sp. n.**, BERNHAUER (198) D. ent. Zs. Berlin 1906.

Gennadota **gen. n.** (308) for *Callicerus puberulus*, and *G. canadensis* **sp. n.** N. America (309), CASEY St. Louis Tr. Ac. Sci. 16.

Goniusa **gen. n.** for *Euryusa obtusa* Loc., CASEY (348) T.C.

Gnypeta *helenae*, *deserticola*, (193), *punctulata*, *ventralis*, (194), *floridana*, *bockiana*, (195), *manitobae*, *brevicornis*, (196), *G. (Gnypetoma subg. n.) incrasata*, *leviventris*, (198), *oregona*, *impresiceps*, (199), *curtipennis*, *abducens*, (201), *shastana*, (202), N. America, CASEY T.C., **spp. n.**

Gnypetella **gen. n.** (214), *placidula* **sp. n.** California (215), CASEY T.C.

Gnypetoma **subg. n.** of *Gnypeta*, q.v., CASEY (202) T.C.

Gyrophypnus infumatus, *bipartitus*, (388), *luteiventris* (389), *melanops* (390), *oregonus*, *protractus*, *mollinus*, (392),

gilvipennis (393), *macilentus*, *fragilis*, (394), *G. (Hypnogyra subg. n.) vernicatus*, *micans*, (395), N. America, CASEY T.C., **spp. n.**

Gyrophæna arator Biafra, FAUVEL (290) Madrid Mem. Soc. esp. Hist. Nat. 1, **sp. n.**—*G. flavicornis* **sp. n.** Usambara, SCHUBERT D. ent. Zs. 1906 (373).—*G. permutaria* **sp. n.** Kaschmir, SCHUBERT, D. ent. Zs. 1906 (380).—*G. vitrina*, *flavicornis*, (291), *uteana*, *gaudens*, (292), *monticola*, *pacifica*, (293), *lobata*, *involuta*, (294), *antennalis* and *insolens*, (295), *fuscollicis*, *modesta*, *gilvicollis*, (296), *laurana*, *coniciventris*, (297), *genitiva*, *sculptipennis*, (298), *subpunctata*, *lacustris* and var. *inconspicua*, (299), *lactula*, *rhodana*, *fustifer*, (300), *centralis*, *perpolita*, (301), *tenebrosa*, *subnitens*, *compacta*, (302), *obesula*, *micans*, *egena*, (303), *exilis* (304), N. America, CASEY St. Louis Tr. Ac. Sci. 16, **spp. n.**

Habrolinus **gen. n.** near *Leptacinus* (406), *tahoensis* **sp. n.** California (407), CASEY T.C.

Hesperolinus **gen. n.** near *Lithocharodes* (411), *bicolor* (413), *alticola*, *borealis*, *pomonae*, (414), *angustus*, *piccus*, (415), **spp. n.**, N. America, CASEY T.C.

Heteropygus **subgen. n.** cf. *Lampropygus*.

Heterothops nigra, *prævia*, JOY (199) Ent. Mag. London 42.

Homalium crassicorne Australia, *parallelum* Tasmania, (212), *xanthorrhoeae* W. Australia (213), LEA Sydney N.S.W. Trans. Linn. Soc. 31, **spp. n.**

Homalotinus atronitens Guatemala, CASEY (374) St. Louis Tr. Ac. Sci. 16, **sp. n.**

Homalota orbata, GERHARDT Zs. Ent. 31 (13-14).—*H. orbata* and *fungi*, Id. D. ent. Zs. Berlin 1906 (463-464).

Homalotusa **gen. n.** near *Homalota*, *helenica*, (340), *tahoensis*, *fuscula*, (341), *pallida* (342), **spp. n.**, N. America, CASEY St. Louis Tr. Ac. Sci. 16.

Hylota **gen. n.** near *Dasyglossa* (318), *ochracea* **sp. n.** New York (319), CASEY T.C.

Hyperomma pictipes (196) pl. xviii f. 2 Tasmania, *nigrum* W. Australia (197), LEA Sydney N.S.W. Proc. Linn. Soc. 31, **spp. n.**

- Hypnogyra* subg. n. cf. *Gyrophypnus*.
- Hyptioma* gen. n., new tribe of *Xantholinini*, (361), *cubensis* sp. n. Havana, (362), CASEY St. Louis Tr. Ac. Sci. 16.
- Idiolinus* gen. n. for *Xantholinus crassicornis* Hochh. CASEY (375) T.c.
- Lampropygus skalitzkyi* Peru, L. (subgen. n. *Heteropygus*) *giganteus* Brazil, spp. n., BERNHAUER (195) D. ent. Zs. Berlin 1906.
- Lathrobium elongatum* var. n. *nigrum*, JOY (271), Ent. Mag. London 42.—*L. laevipenne*, W. E. SHARP (55) Ent. Mag. London 42.
- Lathrotropis caseyi* sp. n. California, BLAISDELL (71) Ent. News 17.
- Latona montivagans* Peru, BERNHAUER (323) Wien Verh. Zool.-bot. Ges. 1906, sp. n.
- Leiolinus* gen. n. *Xantholinini* (416), *nteanus*, *tarsalis*, spp. n., N. America, (417), CASEY St. Louis Tr. Ac. Sci. 16.
- Leptacnoides* gen. n. type *Leptacinus butychrus* Gyll. (401), *lustrans* sp. n. Colorado (403), *peregrilis* Caucasus (404), spp. n., CASEY T.c.
- Leptacinus rubricollis* N. America, CASEY (400) T.c., sp. n.
- Leptagria* gen. n. near *Falagria* (249), *peregrilis* (250), *hudsonica* (251), spp. n., N. America, CASEY T.c.
- Leptopeltus* gen. n. near *Anisolinus* (337), *netolitzkyi* (338), *montivagans* (339), Bolivia; spp. n., also *Philonthus flavipennis* Er., BERNHAUER Wien Verh. Zool.-bot. Ges. 1906.
- Leptusa tricolor*, *canonica*, (351), *semirufa* (352), N. America, CASEY St. Louis Tr. Ac. Sci. 16, spp. n.
- Lispius laevigatus* Paraguay sp. n., BERNHAUER (193) D. ent. Zs. Berlin 1906.—*L. lucens* Brasilia, BERNHAUER (322) Wien Verh. Zool.-bot. Ges. 1906, sp. n.—*L. rivularis* N. S. Wales, LEA (214) Sydney N. S. W. Proc. Linn. Soc. 21, sp. n.
- Lissagria* gen. n. for part of *Falagria* (252), *fissilis*, *impressifrons*, *robusta*, *minuscula*, (254), *longicollis* (255), spp. n., N. America, CASEY St. Louis Tr. Ac. Sci. 16.
- Lissohypnus* gen. n. near *Gyrophypnus* (398), *texanus* sp. n. N. America (399), CASEY T.c.
- Lithocharodes pallidus* Texas, CASEY (410) T.c., sp. n.
- Lophagria* gen. n. for *Fahugrin subaenea* Epp., CASEY (230) T.c.
- Lorinota* gen. n. near *Stenagria* (238), *caviceps* (240), *pinalica*, *arizonica*, (241), *fontinalis*, *acomana*, (242), *tenicornis* (243), *gracilis*, *parva*, (244), *bilimbata* (245), spp. n., N. America, CASEY T.c.
- Macroterma* gen. n. near *Homalota* (335), *borealis* sp. n. White Mts. (326), CASEY T.c.
- Maseochara decipiens* (169), *ponderosa*, *ruficauda*, (170), *basalis* (171), CASEY T.c., spp. n.
- Medon angur* Corsica, DEVILLE (89) Cat. Col. Corse, sp. n.
- Melagria* gen. n. for *Falagria nigra* Grav. etc., CASEY (230) St. Louis Tr. Ac. Sci. 16.
- Meronera montana* (222), *obliqua* (223), N. America, CASEY T.c., spp. n.
- Microlinus* gen. n. for *Leptolinus pusio* Lec., CASEY (419) T.c.
- Myrmedonia antennata*, *faucii*, spp. n., Usambara, SCHUBERT D. ent. Zs. 1906 (371-372).
- Nasirema inquilina* Iowa, CASEY (311) St. Louis Tr. Ac. Sci. 16, sp. n.
- Nematolinus* gen. n. near *Lithocharodes*, (407), for *longicollis* Lec., CASEY T.c.
- Neolara cubana* Honda, CASEY (189) T.c., sp. n.
- Notaphra* and *Myrmoeccia* distinguished, CASEY (322) T.c.
- Notiochara* gen. n. near *Xenochara*, (134), *subaspera*, *stibiosa*, spp. n., S. Africa, (135), CASEY T.c.
- Notolinopsis* gen. n. near *Xantholinus*, (377), *incultus*, *lutilarsis*, (378), *languidus*, *capensis*, *diligens*, (379), spp. n., S. Africa, CASEY T.c.
- Notolinus* gen. n. near *Xantholinus*, (375), *grossulus*, *fumipennis*, (376), *parvus* (377), spp. n., S. Africa, and *hollentotus* Sachse, CASEY T.c.
- Nudobius nudipennis* (381), *phoeniceis*, *arizonicus*, *pygelanus*, (382), *limbalis*,

corticalis, *debilis*, *luridipennis*, (383), *elegantulus*, (384), N. America, CASEY T.c., **spp. n.**

Oeclea grandicollis (305), *franciscana* (306), N. America, CASEY T.c., **spp. n.**

Ocyolimus ganglbaueri, *vulneratus*, **spp. n.**, Venezuela, BERNHAUER (199) D. ent. Zs. Berlin 1906.

Ocyusa californica Californien (343), *brevipennis* Massachusetts (344), **spp. n.** BERNHAUER T.c.

Oedichirans **subgen. n.** vide *Oedichirus*.

Oedichirus (*Oedichirans* (**subgen. n.** *dimidiatus* **sp. n.** Balduchuan, REITTER Entomol. Ztg. Wien 25 (263).

Oligolimus **gen. n.** for *Metoponeus floridanus* Lcc., CASEY (420) St. Louis Tr. Ac. Sci. 16.

†*Olophrum interglaciale* Sweden, glacial, MJOBERG (493) Stockholm Geol. För. Förh. 26, **sp. n.**

Omalius and allies, revision of palaearctic, LUZE Wien Verh. zool. bot. Ges. 1906, (485–602). Synonymical and taxonomical changes intimated in this memoir are not recorded here.

Omalius clavatum Irkutsk (522), *imitator* East Europe (534), *longicorne* Mongolia (543), *blandum* Italia (546), LUZE T.c., **spp. n.**—*O. riparium* larval habits (140), pupa f. 8, MJOBERG Zs. wiss. Insektenbiol. 2.

Ontholestes brasiliensis **sp. n.** Brazil, BERNHAUER (202) D. ent. Zs. Berlin 1906.

Oreochara **gen. n.** near *Alcochara*, *laramiensis* **sp. n.** Wyoming, CASEY (148) St. Louis Tr. Ac. Sci. 16.

Othiellus **gen. n.** for *Othius melanoccephalus* &c., CASEY (423) T.c.

Oxyopoda mimetica, *amica*, (312), *sylvia*, *lucidula*, *stygica*, (313), *renoica*, *iowensis*, (314), *aneilla*, *simulans*, *truncatella*, (315), *virginica*, *obliqua*, *peregrilis*, (316), *lacustris*, *nevadensis*, (317), *fusiformis* (318), N. America, CASEY T.c., **spp. n.**—*O. tenera* **sp. n.** Californien, BERNHAUER D. ent. Zs. 1906 (345).

Oxytelus (*Anotylus*) *crebratus* **sp. n.** Usambara, SCHUBERT D. ent. Zs. (377).—*O. micropterus* Tasmania (203), pl. xviii f. 4, *strigiceps*, *trisulcicollis*, (204), Australia *v-elevatus* Tasmania (205),

m-elevatus (206), *lateralis* (207), *tuberculatus* (208), Australia, *dispar* Tasmania (209), *inconstans* W. Australia (210), LEA Sydney N.S.W. Proc. Linn. Soc. 31, **spp. n.**—*O. robustus* **sp. n.** Kaschmir, SCHUBERT D. ent. Zs. 1906 (383).—*O. vermicularis* (Fauv. i. 1.) Gaboon **sp. n.**, BERNHAUER (185) D. ent. Zs. Berlin 1906.

Pachyeerola **gen. n.** near *Ilyobates* (307), *durgi* **sp. n.** N. America (308), CASEY St. Louis Tr. Ac. Sci. 16.

Paederus usambaricus, *weisei* **spp. n.** Usambara, SCHUBERT D. ent. Zs. 1906 (375).

Palaminus productus **sp. n.** Usambara, SCHUBERT T.c. (376).

Pancota **gen. n.**, near *Silusa*, *collaris* **sp. n.** New York, CASEY (345) St. Louis Tr. Ac. Sci. 16.

Parothius **gen. n.** for *Othius californicus* Mann., CASEY (424) T.c.

Phaenogyra californica California, CASEY (553) T.c., **sp. n.**

Phanerota **gen. n.** for pt. of *Gyrophaena*, (285), *ocularis*, *angularis*, (287), *cubensis* Cuba (288), *peninsularis* Lower California (289), **spp. n.**, and *G. boops* etc., CASEY T.c.

Phanolinus auriventris (200), *episcopus*, Bolivia, *princeps* Peru, (201), **spp. n.**, BERNHAUER D. ent. Zs. Berlin 1906.

Philonthus diversus, *protenus*, **spp. n.**, Kaschmir, SCHUBERT D. ent. Zs. 1906 (382).—*P. elegantulus* **sp. n.** Usambara, SCHUBERT T.c. (373).—*P. laticornis* Madagascar **sp. n.**, BERNHAUER (190) D. ent. Zs. Berlin 1906.—*P. pentheri* Asia Minor, GANGLBAUER (273) Wien Ann. Nat. Hist. Hofmus 20, **sp. n.**—*P. varius* var. n. *shetlandicus*, POPPIUS (9) Helsingfors Öfvers. f. vet. Soc. 47, No. 17.

Philocopora oregona, *sublaevis*, N. America, CASEY (310) St. Louis Tr. Ac. Sci. 16, **spp. n.**

Phyllodrepa rufipennis Baikalsee (554), *clavigera* Finland (566), *palpalis* Italia (567), *reitteri* Lenkoran (570), **spp. n.**, *sahlbergi* **nom. n.** for *crassicornis* Sahlb. (561), LUZE Wien Verh. zool.-bot. Ges. 1906.

Physcopsis giganteus **sp. n.**, *herculeanus* **subsp. n.**, Uebersicht und Verbreitung der Arten, SEMENOV Rev. russ. ent. 6 (53–57).

Piestus sanctae-catharinae Brazil
sp. n., BERNHAUER (193) D. ent. Zs.
Berlin 1906.

Pinalochara gen. n. near *Alcochara*,
(177), *wickhami* sp. n. Arizona (178),
CASEY St. Louis Tr. Ac. Sci. 16.

Pinophilus grandis sp. n. Bucharu,
REITTER Entomol. Ztg. Wien 25, (237-
244).

Placusa gabonensis Biafra, FAUVEL
(290) Madrid Mem. Soc. Hist. Nat. 1,
sp. n.

Pleurotobia gen. n. near *Bolitochara*,
(273), *suturalis*, *tristigma*, (274), *texana*
(275), spp. n., N. America, CASEY St.
Louis Tr. Ac. Sci. 16.

Plociopterus brasiliensis Brazil sp.
n., BERNHAUER (197) D. ent. Zs. Berlin
1906.

Polystomata gen. n. for *Polystoma*
grisea Kr., CASEY (136) St. Louis Tr.
Ac. Sci. 16.

Pycnoglypta arctica Siberia, LUZE
(586) Wien Verh. zool.-bot. Ges. 1906,
sp. n.

Quedius fulgidus allics distinguished,
Joy (201) Ent. Mag. London 42.

Raphirus umbrinus, early stages,
Mjöberg (139) figs. 3-7 Zs. wiss. In-
sektenbiol. 2.

Rheobioma, gen. n. near *Rheochara*,
(180), *disjuncta* sp. n. California (181),
CASEY St. Louis Tr. Ac. Sci. 16.

Rheochara nebulosa Pennsylvania,
CASEY (179) T.c., sp. n.

Rheocharella, gen. n. near *Rheochara*
(181), for *fenyesi* Bernh., CASEY T.c.

Saurohymnus dugesi, Mexico, CASEY,
374 T.c., sp. n.

Scopaeus (Polyodontus) coecus Tunis,
DE PEYERUNHOFF (56) Paris Bull. soc.
entom. 1906, sp. n.

Sibiota, gen. n. near *Sipalia*, *impres-
sula* sp. n. Oregon, CASEY (350) St.
Louis Tr. Ac. Sci. 16.

Silusa valens New York (344), *deco-
lorata* California (345) CASEY T.c.,
spp. n.

Silusida, gen. n. near *Bolitochara*
(270), *nanella* sp. n. Pennsylvania
(271) CASEY T.c.

Staphylinus bodongi Rhodesia (187),
hemichrysis Fauv. i. l. Abyssinia,

kraatzi Cameroons (188), spp. n.,
BERNHAUER D. ent. Zs. Berlin 1906.

Stenus (Hypostenus) kuraiensis sp. n.
Usanbara, SCHUBERT D. ent. Zs. 1906
(376).—*S. ossium* var. n. *insularis*, Joy
Ent. Mag. London 42 (5).—*S. violaceus*
Brazil sp. n., BERNHAUER (194) D. ent.
Zs. Berlin 1906.

Stictalia gen. n. near *Bolitochara*
(264), *aspera*, *punctiventris*, (266), *rugi-
pennis*, *obsolescens*, *arcuata*, (267), *bakeri*,
collaris, *laxicornis*, (268), *brevicornis*,
minor, (269), spp. n., N. America, CASEY
St. Louis Tr. Ac. Sci. 16.

Stictolinus, gen. n. near *Leptacinus*
(104), *aequalis* (405), *ecolopacea*, *fran-
ciscanus*, (406), spp. n., N. America
CASEY T.c.

Styngetus niger Brazil and Paraguay
sp. n., BERNHAUER (197) D. ent. Zs.
Berlin 1906.

Sunius simsoni Tasmania (198),
favosus (199) pl. xviii f. 3, *hackeri*
(200), Australia, LEA Sydney N.S.W.
Proc. Linn. Soc. 31, spp. n.

Tachinoderus cyanipennis Madagas-
car sp. n., BERNHAUER (191) D. ent. Zs.
Berlin 1906.

Tachyusa bicolor sp. n. Kaschnir,
SCHUBERT D. ent. Zs. 1906 (379).—*T.
smithi* (206), *americana*, *carolinae*, (207),
obsoleta, *parviceps*, (208), *subalutacea*,
missouriana, (209), *pruinosa*, *dakotana*,
illini, (210), *ornatella*, *arida*, (211), *ves-
pertina* (212), N. America, CASEY St.
Louis Tr. Ac. Sci. 16, spp. n.

Tachyusilla, subg. n. for *Tachyusa bal-
teata* Er., CASEY (213) T.c.

Tachyusota, subg. n. of *Tachyusa*,
gemma sp. n. S. Africa, CASEY (213)
T.c.

Taphrodota, gen. n. near *Homalota*,
ventralis sp. n. New York, CASEY (338)
T.c.

Teliusa, gen. n. near *Gnypeta* (203),
alutacea sp. n. Texas (204), CASEY
T.c.

Terasota gen. n. near *Homalota*,
brunneipes sp. n. New York, CASEY
(337) T.c.

Termitodiscus bellicosus Erythraea in
nests of *Termes bellicosus*, SILVESTRI
(348) Redia 3, sp. n.

Termitusa escalerac Biafra, FAUVEL (289) Madrid Mem. Soc. esp. Hist. Nat., 1, sp. n.

Tetrallus bicolor sp. n. Californien, BERNHAUER D. ent. zs. 1906 (343).

Thinusa fletcheri (353), *obscura* (354), N. America, CASEY St. Louis Tr. Ac. Sci. 16, spp. n.

Tinotus trisectus Idaho, CASEY (321) T.c., sp. n.

Tithanis gen. n. for *Maseochara* valida, CASEY (172) T.c.

Tomoxelia opacula Camérouns sp. n., BERNHAUER (192) D. ent. Zs. Berlin 1906.

Trachyota gen. n. type *Falagria caripennis* Lec., (190), *lativentris* sp. n. California (191), CASEY St. Louis Tr. Ac. Sci. 16.

Trichiusa polita, *transversa*, (327), *parviceps*, *monticola*, (328), *convergens*, *hirsuta*, (329), *atra*, *postica*, *virginica*, (330), *rigida*, *discreta*, (331), *varicolor* (332), N. America, CASEY T.c., spp. n.

Trigonurus brasiliensis Brasilia, BERNHAUER (327) Wien Verh. Zool.-bot. Ges 1906, sp. n.

Typhlobledius gen. n. near *Bledius* (200), *cylindricus* n. sp. Tasmania (202), LEA Sydney N.S.W. Proc. Linn. Soc. 31.

Ulitusa gen. n. near *Silusa* (347), *cribratula*, *pusio*, spp. n., Ohio, (348), CASEY St. Louis Tr. Ac. Sci. 16.

Valenusa gen. n. near *Atheta*, *parallela* sp. n. California, CASEY (342) T.c.

Venusa gen. n. near *Bolitochara* (272), *lactula* sp. n. N. America (273), CASEY T.c.

Xanthohypnus gen. n. for *Xantholinus strigiceps* Sharp, CASEY (374) T.c.

Xenopygus gen. n. for *Lampropygus analis* and *bicolor*, BERNHAUER (196) D. ent. Zs. Berlin 1906.

Xestolinus gen. n. near *Gyrohypnus* (397), *abdominalis*, *oviceps*, (398), spp. n., N. America, CASEY St. Louis Tr. Ac. Sci. 16.

Xesturida gen. n. near *Trichiusa* (325), *laevis* sp. n. N. America (326), CASEY T.c.

(N-9720 j)

Xylodromus opaculus Sibirien, LUZE (497) Wien Verh. zool.-bot. Ges. 1900, sp. n.

The following have been previously recorded in the Zoological Record.

(*Acanthoglossa hora*, *longiceps*, Madagascar, FAUVEL, Rev. ent. Caen, 24, 1905, spp. n.)

(*Actobius leptocerus*, *boops*, *oculatus*, Madagascar, FAUVEL, T.c. spp. n.)

(*Acylophorus delphinus* Madagascar; FAUVEL, T.c. sp. n.)

(*Aenictonia raffrayi* Deutsch Ost-Africa, FAUVEL, Rev. ent. Caen, 23, 1904, sp. n.)

(*Aleochara andrewesi*, *viatica*, FAUVEL, T.c. spp. n.)

(*Alianta phloeoporina*, FAUVEL, T.c. sp. n.—*A. rudis*, Afrique tropicale, FAUVEL, Op. cit., 24, sp. n.—*A. pictipennis*, Afrique, FAUVEL, T.c., sp. n.)

(*Amaurodera* gen. n., FAUVEL, (type *Falagria veluticollis* Mots.) T.c.)

(*Ancacus cordicollis*, Madagascar, FAUVEL, T.c. sp. n.)

(*Anchocerus* gen. n., *birmanus*, Malaisie sp. n., FAUVEL, T.c.)

(*Anisolinus raffrayi*, *anthracinus*, Madagascar, FAUVEL, T.c., spp. n.)

(*Anisopsis* gen. n., *flexuosa*, Zambezi, *carinata*, Zanzibar, spp. n., FAUVEL, T.c.)

(*Anthobium sikkimi*, FAUVEL, T.c. sp. n.)

(*Apatetica semiriolacea*, Java, *rotundicollis*, Java, *sparsicollis*, Lombok, *laevicollis*, Tonkin, FAUVEL, T.c., spp. n.)

(*Apteronina* gen. n., *A. schmitti* sp. n., Colorado, WASMANN, Entomol., Ztg. Wien, 20, 1901, (145-147).)

(*Astenus melanurus*, Küst, *subnotatus* var. n., FAUVEL, Rev. ent. Caen, 23, 1904, sp. n.—*A. perangustus*, *punctipennis*, *perrieri*, *psilographus*, Madagascar, Op. cit., 24, spp. n.)

(*Astilbus incola*, FAUVEL, Rev. ent., Caen, 23, 1904, sp. n.)

(*Atheta (Hydrosmecta) orientis*, FAUVEL, T.c., sp. n.—*A. nilgiriensis*, FAUVEL, T.c., sp. n.—*A. (Aloconcta) chifana*, Barbarie, FAUVEL, Op. cit., 24, sp. n.)

(*Belonuchus quadriceps, holisinnus*, Deutsch Ost-Afrika, FAUVEL, Op. cit., 23, spp. n.)

(*Bledius distans, perrieri, lugubris*, Madagascar, FAUVEL, Rev. ent., Caen, 24, 1905, spp. n.—*B. bellicosus*, Malaisie, *conicicollis*, Tonkin, *arenicola*, Malabar, *helferi*, Birmanie, FAUVEL, T.c., spp. n.)

(*Bolbophites* gen. n., *pustulosus, aspericeps*, Brésil, spp. n., FAUVEL, Op. cit., 23.)

(*Bolitochara semiaspera*, FAUVEL, T.c., sp. n.)

(*Bombylodes*, nov. nom. pro *Bombylius* Fauvel (1902), FAUVEL (43), T.c.)

(*Canonica aethiopica*, Deutsch Ost-Africa, FAUVEL, T.c., sp. n.)

(*Conurus pulchricolor, gracilicornis, connexus*, Madagascar, FAUVEL, Op. cit., 24, spp. n.)

(*Coprophilus alticola*, Ind., FAUVEL, T.c., sp. n.)

(*Crymus* gen. n., *antarcticus*, Nouvelle Georgia du Sud n. sp., FAUVEL, T.c.)

(*Cryptobium extraneum*, FAUVEL, Op. cit. 23, sp. n.—*C. alluaudi* Madagascar, FAUVEL, Op. cit. 24, sp. n.)

(*Cylindropsis africana*, Algérie, PEYERIMHOFF, Paris, Bul. soc. ent., 1905, sp. n.)

(*Delopsis microphthalma*, Java, FAUVEL, Rev. ent., Caen, 1904; 24, 1905, sp. n.)

(*Dibelonetes alluaudi*, Madagascar, FAUVEL, T.c., sp. n.)

(*Diglossa peyerimhoffi, cameroni*, FAUVEL, Op. cit. 23, 1904, spp. n.)

(*Dinardilla* gen. n., *D. liometopi*, Colorado, sp. n., WASMANN, Entomol. Ztg., Wien, 20, 1901, (145-147).

(*Dromeciton* gen. n., *vagneri*, Brésil, sp. n., FAUVEL, Rev. ent., Caen, 23, 1904.)

(*Edaphus dentiventris*, Malaisie, FAUVEL, Op. cit. 24, 1905, sp. n.)

(*Eleusis conradi, kolbei*, Deutsch Ost-Africa, FAUVEL, Op. cit. 23, spp. n.—*E. perrieri, apicalis, heterodera, boops, hydrocephala*, Madagascar, FAUVEL, Op. cit. 24, spp. n.—*E. rufiventris*, Sumatra, *covifrons* Sumatra, *carburgi*, Célèbes, *discalis*, Sumatra, *rotundiceps*, Inde, *quadridens*, Perak, *lunigera*, Asie

orientale, Nouvelle Guinée, etc., FAUVEL, T.c. spp.)

(*Erchomus aluticollis*, Nouvelle Guinée, FAUVEL, Rev. ent., Caen, 23, 1904, sp. n.—*E. planus*, Malaisie, FAUVEL, Op. cit. 24, sp. n.—*E. ampliatus*, Afrique tropicale, FAUVEL, T.c. sp. n.—*E. retipennis, madecassa*, Madagascar, FAUVEL, T.c. spp. n.)

(*Eustenia* gen. n., *aspera, opacicollis*, Java spp., FAUVEL, T.c.)

(*Falagria nilgiriensis*, FAUVEL, Op. cit. 23, sp. n.)

(*Geostiba aurogemmata*, FAUVEL, T.c. sp. n.—*G. peyerimhoffi*, Barbarie, FAUVEL, Op. cit. 24, sp. n.)

(*Haploderus speculiventris*, Java, FAUVEL, T.c. sp. n.)

(*Holosus parcestriatus*, Java, *pennifer*, Annam, *brevipennis*, Asie orientale, *iusularis*, Malaisie, *aberrans*, Ceylon, FAUVEL, T.c. spp. n.)

(*Holotrochus coriaceus, nigrita, nitescens, marginicollis, specularis, fairmairi*, Madagascar, FAUVEL, T.c. spp. n.)

(*Homalium usambarae*, Deutsch Ost-Africa, FAUVEL, Op. cit. 23, sp. n.—*H. hova, castipenne*, Madagascar, FAUVEL, Op. cit., 24, spp. n.—*H. sulcicollis, chori-zaus, obesum, rude*, Sumatra, FAUVEL, T.c., spp. n.—*H. vaulogeri*, Barbarie, FAUVEL, T.c., sp. n.)

(*Homalota crenulata*, FAUVEL, Op. cit., 23, sp. n.—*H. nigrescens*, Malaisie, FAUVEL, Op. cit., 24, sp. n.)

(*Hoplitodes* gen. n., *echidne*, Natal, sp. n., FAUVEL, T.c.)

(*Lathrobium sinaicum*, FAUVEL, Op. cit., 23, sp. n.—*L. catenulatum*, Madagascar, FAUVEL, Op. cit., 24, sp. n.)

(*Leptusa (Pisalia) oreophila*, sp. n., Kärnten, Steiermark, PENECKE, Entomol. Ztg., Wien, 20, 1901, (11-21).)

(*Lispinus usambarae, insignicollis*, Deutsch Ost-Africa, FAUVEL, Rev. ent. Caen, 23, 1904, spp. n.—*L. varians, agnatus, obscurellus*, Madagascar, FAUVEL, Rev. ent. Caen.—*L. macropterus*, Célèbes *ralidicornis*, Queensland, *sulcatus*, Nouvelle Guinée, *rugipennis*, Java, *acicularis*, Java, *quadrinotatus*, Malaisie, *binotatus*, Nouvelle Guinée, FAUVEL, Op. cit., 24, spp. n.—*L. rufulus*, Afrique tropicale, FAUVEL, T.c., sp. n.)

(*Leptacinus politus, dieganus, microphthalmus*, Madagascar, FAUVEL, T.c., spp. n.)

(*Maseochara indica, javana*, Java, FAUVEL, Op. cit., 23, spp. n.)

(*Medou praeustus, latecinctus, nanus*, Malaisie, FAUVEL, Rev. ent. Caen, 24, 1905, spp. n.—*M. prognathus, megalops, duplicatus, dieganus, madecassa, sexualis, heterogenus, maculipennis, hova, delphinus*, Madagascar, FAUVEL, T. c., spp. n.)

(*Megacronus lineipennis*, FAUVEL, Op. cit., 23, sp. n.)

(*Megalops hova, bifenestratus, cribriceps*, Madagascar, FAUVEL, Op. cit., 24, spp. n.)

(*Megarthus bimaculatus*, Ceylon, basicornis, Inde, FAUVEL, T.c., spp. n.)

(*Mimophiles* gen. n., *bouvieri, laliceps*, Brésil, spp. n., FAUVEL, Op. cit., 23.)

(*Mitomorphus obsoletus*, FAUVEL, T.c., sp. n.)

(*Neophonus* gen. n., *brucli*, sp. n., Argentine, FAUVEL, Op. cit., 24.)

(*Oedichirus ventralis, rustarsis, kolbei*, Madagascar, FAUVEL, Op. cit., spp. n.)

(*Oosorius strangulatus* n. sp., FAUVEL, Op. cit., 23, 1904, sp. n.—*O. sparsior*, Deutsch Ost-Africa, FAUVEL, T.c. sp. n.—*O. frontalis*, Malaisie, FAUVEL, Op. cit. 24, sp. n.—*O. incisifrons, FAUVEL, regularis*, Afrique tropicale, T.c. spp. n.—*O. impennis* Madagascar, FAUVEL, T.c. sp. n.)

(*Oxygoda arabs*, FAUVEL, Op. cit. 23, sp. n.)

(*Oxytelopsis madecassa* Madagascar, genalis Perak, FAUVEL, Op. cit., spp. n.)

(*Oxytelus punctipennis*, Inde, *barbatus*, Java, *cribrum*, Inde, *uncifer*, Java, *sikkimi*, Inde, *tenuicornis, occipitalis, raffrayi*, Java, *crenulifer*, Gabon, *pubiventris, foraminosus*, Afrique, *pubiventris, sericeiventris, alutellus, fusicornis, parcepunctus, galla, hamacenus, fulgidus, megalomarus, curticollis, reductus, bidentulus, viator*, Afrique, *jelskii, apicicornis, inaequalis, hamuliger, lacvissimus, striolicollis, vulcanus, monodon, obscurellus, championi, rhaplocerus, magdalinæ, speculiceps*, Amerique, FAUVEL, Rev. ent. Caen, 24,

spp. n.—*O. bubalus, atriceps, megacephalus, gigantulus, migrator*, Fauvel, *ruptus*, Indo-malaisie, *heterophthalmus*, Australie, *dilatipennis, planus, nitidipennis, claviger, incisicollis, bicolor, heterocerus, sculptiventris*, Afrique, *crassus, speculum, dentifrons, scorio*, Amérique tropicale, FAUVEL, T.c. spp. n.—*O. lobatus, anticus*, Madagascar, FAUVEL, T.c. spp. n.)

(*Pachycorinus puncticollis, scalabrei*, Madagascar, FAUVEL, Rev. ent. Caen, 24, spp. n.—*P. marginellus*, Afrique tropicale, FAUVEL, T.c. spp. n.)

(*Paederus andrevesi, gratosus*, FAUVEL, Op. cit. 23, sp. n.—*P. trimerus*, Nouvelle Guinée, FAUVEL, T.c. sp. n.—*P. usambaræ*, Deutsch Ost-Africa, FAUVEL, T.c. sp. n.—*P. metallicus, dilatipes, forficularius*, Madagascar, FAUVEL, Op. cit. 24, spp. n.)

(*Palaminus simoui*, FAUVEL, Op. cit. 23, sp. n.—*P. suturalis, madecassa, pennifer, nossibianus, alloceus, brunneus, circumflexus, transmarinus*, Madagascar, FAUVEL, Op. cit. 24, spp. n.)

(*Paragonus acuticollis, heterocerus*, Malaisie, FAUVEL, T.c. spp. n.)

(*Philonthus undæ* sp. n., Steiermark, PENECKE, Entomol. Ztg., Wien, 20, 1901, (11-21).—*P. pollux, limbipennis, ingratus, ovicollis, hova*, Madagascar, FAUVEL, Rev. ent. Caen, 24, spp. n.—*P. cinctus* Abyssinie, FAUVEL, T.c. sp. n.—*P. dimidiaticornis, pallidipennis*, Afrique tropicale, FAUVEL, T.c. spp. n.)

(*Phyllodrepa sekerae* Italien, REITTER, Entomol. Ztg. Wien, 24, 1905, (242), sp. n.)

(*Phytosus obockianus* Afrique, FAUVEL, Rev. ent. Caen, 24, 1905, sp. n.)

(*Pinophilus piceus*, FAUVEL, Op. cit. 23, sp. n.—*P. schuberti, mesocerus, speculifrons, fairmairei*, sp. n., *schuberti punctulatus* var. n., Madagascar, FAUVEL, T.c.)

(*Placusa simulans* Deutsch Ost-Africa, FAUVEL, Op. cit. 23, sp. n.)

(*Planustomus indicus*, FAUVEL, Op. cit. 24, sp. n.)

(*Platydromus erosus*, Madagascar, FAUVEL, T.c. sp. n.)

(*Platyprosopus niloticus*, Afrique, FAUVEL, Op. cit. 23, (275) sp. n.)

(*Proteinus* Latr., Artübersicht (226-228); *P. planicollis*, (201), *reflexicollis* Araxestal, (226), *altaicus*, Altai (227), spp. n.; *P. brachypterus* Fbr. var. n., *lividipennis*, Kaukasus, REITTER, Entomol. Ztg., Wien, 24, 1905.)

(*Scopaeus hova*, *longicornis*, *punctatellus*, Madagascar, FAUVEL, Rev. ent. Caen, 24, 1905, spp. n.)

(*Silusa leptocera*, Java, FAUVEL, T.c. sp. n.)

(*Staphylinus suspectus*, FAUVEL, Op. cit. 23, sp. n.—*S. notativentris*, Abyssinie, FAUVEL, Op. cit. 24, sp. n.—*S. hemichrysis*, *alluaudi*, Afrique tropicale, FAUVEL, T.c. spp. n.—*S. tanalensis*, *violaceovirens*, Madagascar, FAUVEL, T.c. spp. n.)

(*Stenus* (*Nestus*) *phyllobates* sp. n., Steiermark, PENECKE, Entomol. Ztg., Wien, 20, 1901, (11-21).—*S. belli*, *ventricosus*, *andrevesi*, *consors*, *millepunctus*, FAUVEL, Rev. ent. Caen, 23, spp. n.—*S. azeganus*, Abyssinie, FAUVEL, Op. cit. 24, sp. n.—*S. protector*, *irroreus*, *uniformis*, *volvulus obconicus*, *mirus*, *alluaudi*, *sicardi*, *goudoti*, *dieganus*, *chloropterus*, *pluripunctus*, *ereberrimus*, *triole*, *delphinus*, Madagascar, FAUVEL, Op. cit. 23 spp. n.)

(*Stilicoderus umbratus*, FAUVEL, Op. cit. 23, sp. n.)

(*Stilicopsis breviceps*, Malairie, FAUVEL, Op. cit. 24, 1905, sp. n.)

(*Stilicis quadrimaculatus*, Deutsch Ost. Africa, FAUVEL, Op. cit. 23, sp. n.)

(*Suniocharis guttula*, *dilutipes*, Madagascar, FAUVEL, Op. cit. 24, spp. n.)

(*Tanygnathus crassicornis*, Madagascar, FAUVEL, T.c. sp. n.)

(*Termitusa* gen. n., *sjoestedti* sp. n., WASMANN, Rev. ent. Caen, 24, 1905.)

(*Tetradelus* gen. n., *trigonuroides*, sp. n., FAUVEL, Rev. ent. Caen, 24.)

(*Thinocaris inermis*, *impressa curticolis*, *alluaudi*, *brevigenis*, *aptera*, *diegana*, Madagascar, FAUVEL, T.c. spp. n.)

(*Trogophloeus*, *alluaudi*, *dieganus*, *malgaceus*, *boops*, Madagascar, FAUVEL, T.c. spp. n.—*T. fuscipalpis*, Ceylon, *lepidicoruis*, Célèbes, FAUVEL, T.c.)

(*Xantholinus ciuctus*, FAUVEL, Op. cit. 23 sp. n.—*X. pictipennis*, Deutsch Ost-Africa, FAUVEL, T.c. sp. n.—*X. goudoti*,

heterocephalus, *sexpunctatus*, *alboinectus*, *hova*, *umbilicatus claviger*, *innocuus*, Madagascar, FAUVEL, Op. cit. 24 spp. n.)
(*Xerophygus ocularis*, Sumatra, FAUVEL, T.c. sp. n.)

(*Zyras forticornis*, FAUVEL, *hastatus*, Op. cit. 23, spp. n.—*Z. compressicornis*, Asia or., FAUVEL, Op. cit. 24, sp. n.)

PSELAPHIDAE.

Adranes dietzii sp. n. California, SCHAEFFER (265) Philadelphia Pa. Trans. Amer. Ent. Soc. 32.

Amauromyza dodeori Gavarnie, NORMAND (105) Paris Bull. Soc. ent. 1906, sp. n.

Amaurops romana Italie, RAFFRAY (162) Paris Bull. Soc. ent. 1906, sp. n.

Batrissodes beyeri (261), *antennatus* (262), N. America, SCHAEFFER Philadelphia Pa. Trans. Amer. Ent. Soc. 32, spp. n.

Bryaxis (*Bythinus*) *galeata* sp. n. Port-Vendres (291), (*Bythinus*) *fauconeti hermensis* subsp. nov. (292), NORMAND Paris Bull. Soc. ent. 1906.

Bythinus sturanyi (1667), *merditanus*, *oroshianus*, (1668), Albanien, *cetinjensis* Montenegro (1669), *tithonus* Albanien (1670), spp. n., APFELBECK Wien Sitz-Ber. Ak. Wiss. 115 Abt. 1.—*B. calabricus* sp. n. Italy, REITTER Entomol. Ztg. Wien 25 (130).

Caccoplectus spinipes sp. n. Texas, SCHAEFFER (263) Philadelphia Pa. Trans. Amer. Ent. Soc. 32.

Euplectus curvipes Constantine, PEYERIMHOFF (37) Paris Bull. Soc. entom 1906, sp. n.—*E. hummleri* sp. n. Calabrien, REITTER Entomol. Ztg. Wien 25 (129).—*E. tomlini* England in birds' nest Joy (99) Ent. Mag. London 42, sp. n.

Fustiger knausii sp. n. New Mexico, SCHAEFFER (264) Philadelphia Pa. Trans. Amer. Ent. Soc. 32.

Reichenbachia dilatipes sp. n. Texas, SCHAEFFER (262) T.c.

Reichenbachius nom. n. for *Reichenbachia* auctt., CASEY (359) St. Louis Tr. Ac. Sci. 16.

Trimium paganettii sp. n. Calabrien, REITTER, Entomol. Ztg. Wien 25 (129).

The following Pselaphidae have been previously recorded in the Zoological Record:—

(*Achillia convexiceps*, *picea*, *cordicollis*, *clavata*, *quadriceps*, *latifrons*, *blanchardi* nom. n., *elfrida*, *brevicornis*, RAFFRAY, Paris, Ann. Soc. ent., **72**, spp. n.)

(*Adiastulus* gen. n., RAFFRAY, T.c.)

(*Anasis impunctata*, RAFFRAY, T.c. sp. n.)

(*Anasopsis* gen. n., RAFFRAY, T.c.)

(*Ancystrocerus carinatus*, RAFFRAY, T.c. sp. n.)

(*Apharina nodula*, *armata*, RAFFRAY, T.c. spp. n.)

(*Aploclerina* gen. n., *sulcicornis*, sp. n., RAFFRAY, T.c.)

(*Aporhexius* gen. n., *pubescens* sp. n., RAFFRAY, T.c.)

(*Arthmius pedestrianus*, *labiatus*, *transversalis*, RAFFRAY, T.c. spp. n.)

(*Asymoplectus flagellatus*, RAFFRAY, T.c. sp. n.)

(*Atenisodus* gen. n., *macrophthalmus* sp. n., RAFFRAY, T.c.)

(*Balega dentata*, RAFFRAY, T.c. sp. n.),

(*Batocenus dimidiatus*, *incertus*, RAFFRAY, T.c. spp. n.)

(*Batraxia tumorosa*, *indica*, *parvispina*, *obesa*, RAFFRAY, T.c. spp. n.)

(*Batribolbus* gen. n., RAFFRAY, T.c.)

(*Batrissiella* gen. n., RAFFRAY, T.c.)

(*Batrisinus elegans*, *gravidus*, RAFFRAY, T.c. spp. n.)

(*Batrisocenus siamensis*, *furcifer*, *tumorosus*, *triangulatus*, *truncatus*, *mitratus*, *vulneratus*, *carinatus*, *trigona*, *longipes*, *cameratus*, *fornicatus*, *binodosus*, *calcaratus*, *sauciiipes*, *deformipes*, *cultripes*, *major*, *sinensis*, *indecorus*, *annamita*, *quadriceps*, *immundus*, *capitatus*, *carinicollis*, RAFFRAY, T.c. spp. n.)

(*Batrisodes obesus*, *luteolus*, *tricarinatus*, *tuberculatus*, *acinosus*, *ferinus*, *lenuicornis*, *multiforus*, *infandus*, *patra*, *nus*, *nodosus*, *indecorus*, *navortius*, *irritus*, *demissus*, *sagax*, *Harmandi*, *epistomalis*, *ophelius*, RAFFRAY, n. spp.)

(*Batrisomalus* gen. n., *infossus* sp. n., RAFFRAY, T.c.)

(*Biblomimus* gen. n., *minutus* sp. n., RAFFRAY, T.c.)

(*Biblopectus parviceps*, RAFFRAY, T.c. sp. n.)

(*Brachygluta aubei*, *pici*, *haematica*, *simplicior*, *lepieuri*, *clavata*, RAFFRAY, T.c. varr. n.)

(*Braxyda* gen. n., *homata*, *crassipes*, spp. n., RAFFRAY, T.c.)

(*Bryaxina* gen. n., *torticollis*, *armiceps*, *lucida*, *clavata*, *dimidata*, *schaufussi*, *foveifrons*, *crassicornis*, RAFFRAY, T.c. spp. n.)

(*Bunoderus* gen. n., *carinicollis*, *longipilis* spp. n., RAFFRAY, T.c.)

(*Bythinoplectus transversiceps*, RAFFRAY, T.c. sp. n.)

(*Bythinus formaneki*, Dalmatien, FLEISCHER, Entomol. Ztg., Wien, **20**, 1901, (144), sp. n.—*B. leonhardi*, *subsolidus*, Herzegowina, REITTER, Entomol. Ztg., Wien, **21**, 1902, (1–9, mit 1 Taf.), spp. n.—*B. bodemeyeri* (221), *mohamedis*, Konstantinopel, Anatolien, (222), sp. n., REITTER, Entomol. Ztg., Wien, **22**, 1903. — *B. (Bythoxenus) guignardi* Peyerimhoff, Paris, Bul. soc. ent., **1904**, sp. n.—*B. Machaerites fagniezi*, PERRIN, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Centrophthalmosia* gen. n., *inceppectus*, *sulcatus*, *reitteri*, spp. n., RAFFRAY, Paris, Ann. Soc. ent., **72**.)

Centrophthalmus *guinaeensis*, *abyssinicus*, *birmanus*, *sinensis*, *papuanus*, *angustipalpus*, *bicarinatus*, RAFFRAY, T.c. spp. n.

(*Cercoceroidea simplex*, *tuberculatus*, RAFFRAY, T.c. spp. n.)

(*Cercoceroopsis* gen. n., *longipes* sp. n., RAFFRAY, T.c.)

(*Cheniopsis* gen. n., *madecassa* sp. n., RAFFRAY, T.c.)

(*Claviger montandoni*, RAFFRAY, T.c. sp. n.)

(*Comatopselaphus parcepunctatus*, RAFFRAY, T.c. sp. n.)

(*Cryporrhina xybarinoides*, RAFFRAY, T.c. sp. n.)

(*Ctenicellus* gen. n., *major* sp. n., RAFFRAY, T.c.)

(*Ctenisomimus* gen. n., RAFFRAY, T.c.)

(*Ctenisophus validicornis*, *bouringi*, *irregularis*, RAFFRAY, T.c., spp. n.)

- (*Ctenistes crassirostris*, RAFFRAY, T.c., sp. n.)
- (*Curculionellus hirtus*, RAFFRAY, T.c., sp. n.)
- (*Cyathiger gracilis paatrucis, nodicornis, truncatus*, RAFFRAY, T.c., spp. n.)
- (*Daimodes gracilipes*, RAFFRAY, T.c., sp. n.)
- (*Decarthron bicolor, hetschkoi, sulcipes, tritumum, arthriticum, insulare, quadraticeps, planiceps, schmitti, spinosum, vulneratum, brasilianum, minutum, tomentosum, schaufussi, planifrons, longicorne, frontale*, RAFFRAY, T.c., spp. n.)
- (*Desimia caviceps*, RAFFRAY, T.c., sp. n.)
- (*Diapos* s. gen. n., RAFFRAY, T.c.)
- (*Diagis* s. gen. n., *granulosa*, sp. n., RAFFRAY, T.c.)
- (*Didymoprora semipunctata*, RAFFRAY, T.c., sp. n.)
- (*Drasinus* s. gen. n., *binodulus*, sp. n., RAFFRAY, T.c.)
- (*Ectopocerus* s. gen. n., RAFFRAY, T.c.)
- (*Elenotamus* s. gen. n., RAFFRAY, T.c.)
- (*Enotostomus crassicornis*, RAFFRAY, T.c., sp. n.)
- (*Ephimia subnitida*, RAFFRAY, T.c., sp. n.)
- (*Ephymata* s. gen. n., RAFFRAY, T.c.)
- (*Eremomus* s. gen. n., *obesus, crassicornis*, spp. n., RAFFRAY, T.c.)
- (*Eupines minima, (Byraxis) longiceps*, RAFFRAY, T.c., spp. n.)
- (*Euphalepsus tricarinatus, fasciculatus, dentipes, tibialis*, RAFFRAY, T.c., spp. n.)
- (*Euplectus, schmitti, infossus, illepidus, (Pychnopectus) exiguus*, RAFFRAY, T.c., spp. n. — *E. (Plectophiloeus) corniculatus* Herzegovina, REITTER, Entomol. Ztg. Wien, 21, 1902, (1-9 mit 1 Taf.), sp. n.)
- (*Eupsenius gracilis*, RAFFRAY, Paris, Ann. Soc. ent., 72, sp. n.)
- (*Eurhexius sexpunctatus, longicornis, megacephalus, quadriforeatus, laevis, subacuminatus, octopunctatus, reitteri, bicolor*, RAFFRAY, T.c., spp. n.)
- (*Eutelcia* s. gen. n., *levisi, triforeata, nodosa*, spp. n., RAFFRAY, T.c.)
- (*Eutyphlus schmitti*, RAFFRAY, T.c., sp. n.)
- (*Exallus* s. gen. n., RAFFRAY, T.c.)
- (*Filiger validus, opacus*, RAFFRAY, T.c., spp. n.)
- (*Fustiger smithi*, RAFFRAY T.c. sp. n.)
- (*Fustigeropsis simplex*, RAFFRAY, T.c., sp. n.)
- (*Globa laevis*, RAFFRAY, T.c., sp. n.)
- (*Hamotoides nigropilosus, hirtus*, RAFFRAY, T.c., spp. n.)
- (*Hamotus sterualis, boliviensis, globulifer, tibialis, punctipennis, vesiculifer, bulbifer, laetus, cavicornis, rugosus, bicolor, fauveli, sulcipapulus, grouellei, simplex, soror, decipiens, longipilosus, longiceps*, RAFFRAY, T.c. spp. n.)
- (*Harmomima* s. gen. n., *graudiceps* spp. n., *impressicollis*, RAFFRAY, T.c.)
- (*Hypochraeus* s. gen. n., *granosus*, sp. n., RAFFRAY, T.c.)
- (*Itamus* s. gen. n., *laticeps* sp. n., RAFFRAY, T.c.)
- (*Jubus brevis, gracilicornis, clavatus*, RAFFRAY, T.c., spp. n.)
- (*Labomimus harmandi*, RAFFRAY, T.c., sp. n.)
- (*Machaerites czernohorskyn, Herzegovina, REITTER, Entomol. Ztg. Wien, 21, 1902, (1-9 mit 1 Taf.), sp. n.)*
- (*Macroleptus tasmanicus*, RAFFRAY, Paris, Ann. Soc. ent., 72, sp. n.)
- (*Melba grenadensis, dentipes, quadriforeata*, RAFFRAY, T.c., spp. n.)
- (*Methorius* s. gen. n., RAFFRAY, T.c.)
- (*Metopias carinipes*, RAFFRAY, T.c., sp. n.)
- (*Millona* s. gen. n., *quadriceps, bisulciceps, unicechi, nigra*, RAFFRAY, T.c., spp. n.)
- (*Mina nasuta*, RAFFRAY, T.c., sp. n.)
- (*Nenemeca* s. gen. n., *bidentata* sp. n., RAFFRAY, T.c.)
- (*Modulina* s. gen. n., RAFFRAY, T.c.)
- (*Odontolagus gracilis, validus*, RAFFRAY, T.c., spp. n.)
- (*Ophelius* s. gen. n., *simplex* sp. n., RAFFRAY, T.c.)
- (*Oruotinus* s. gen. n., RAFFRAY, T.c.)

(*Phaenosis relutinus*, RAFFRAY, T.c., sp. n.)

(*Phalepsus vulgaris*, *caricornis*, RAFFRAY, T.c., spp. n.)

(*Phoberus* gen. n., *armatus* sp. n., RAFFRAY, T.c.)

(*Pselaphus pubescens*, *vestitus*, RAFFRAY, T.c., spp. n.)

(*Pselaptus politissimus*, *sternalis*, RAFFRAY, T.c., spp. n.)

(*Pseudohamotus planiceps*, RAFFRAY, T.c., sp. n.)

(*Pseudophanias elegans*, *robustus*, *tuberculatus*, *punctatus*, *puberulus*, *clavatus*, RAFFRAY, T.c., spp. n.)

(*Radamellus* gen. n., RAFFRAY, T.c.)

(*Raffrajia opaca*, RAFFRAY, T.c., sp. n.)

(*Reichenbachia addahensis*, *nana*, *infelix*, *breviventris*, *bengalensis*, *grouvellei*, *nitella*, *boliviensis*, *pygidialis*, *cicatricosa*, *muscorum*, *curvipes*, *arabica*, *irrita*, *luetola*, *chevrolati*, *pilosa*, *illepida*, *fasciculata*, *compressipes*, *orientalis*, *maroccana*, *grénadensis*, *vincentiana*, *cultrata*, *globulosa*, *chiricahuensis*, *mexicana*, *oberthürri*, *appendiculata*, *obnubila*, *immodica*, RAFFRAY, T.c., spp. n.)

(*Rybaxis villosa*, *convexa*, *bicarinata*, RAFFRAY, T.c., spp. n.)

(*Scalenarthritis subcarinatus*, *schaufussi*, *simplex*, *obliquus*, *clavatus*, *pectinicornis*, RAFFRAY, T.c., spp. n.)

(*Schaufussia nasuta*, RAFFRAY, T.c., sp. n.)

(*Sothytes gracilis*, RAFFRAY, T.c., sp. n.)

(*Strombopsis* gen. n., *breviventris* sp. n., RAFFRAY, T.c.)

(*Subulpalpus myrmecophilus*, RAFFRAY, T.c., sp. n.)

(*Tanypleurus megacephalus*, RAFFRAY, sp. n., T.c.)

(*Thesiastes liliputanus*, RAFFRAY, T.c., sp. n.)

(*Tmesiphorus punctatus*, *arrowi*, *hispidus*, *squamosus*, *aspericollis*, RAFFRAY, T.c., spp. n.)

(*Trimium longiventris*, RAFFRAY, T.c., sp. n.)

(*Trimium amonae* Reitt., Verbreitungsgebiet, PENECKE, Entomol. Ztg., Wien, 20, 1901, (11-21).)

(*Triomierus cavernosus*, *humilis*, RAFFRAY, Paris, Ann. Soc. ent., 72, spp. n.)

(*Tychus bispina*, *sternalis*, spp. n., *bryaxioides poupillieri* var. n., RAFFRAY, T.c.—*T. depezeus*, PEYERIMHOFF, Paris, Bul. soc. ent., 1905, sp. n.—*T. microphthalmus*, Algier, REITTER, Entomol. Ztg., Wien, 22, 1903, (231), sp. n.)

(*Xybarida punctulum*, RAFFRAY, Paris, Ann. Soc. ent., 72, sp. n.)

(*Xybaris quadraticeps*, *atomaria*, RAFFRAY, T.c., spp. n.)

PAUSSIDAE.

Megalopaussus gen. n., *amplipennis* sp. n. Australia pl. xviii f. 5, LEA (217) Sydney N.S.W. Proc. Linn. Soc. 31.

SCYDMAENIDAE.

Cephennium hypogaeum Port-Vendres, NORMAND (106) Paris Bull. Soc. ent. 1906, sp. n.—*C. punctipenne* and *thoracicum* synonymy, FAUVEL (12) Rev. Ent. Caen, 25.

(*Cephennium* (*Megaloterus*) *bodemeyeri* sp. n., Anatolien, REITTER, Entomol. Ztg., Wien, 22, 1903, (222).)

(*Euconnus* (*Tetramelus*) *bodemeyeri* Kleinasien, Konstantinopel, REITTER, Op. cit., 23, 1903, (223), sp. n.—*B. (Tetramelus) leonhardi* Cephallonia, REITTER, Op. cit., 24, 1905, (242), sp. n.—*B. carinthiacus* Ganglb., Verbreitungsgebiet, PENECKE, Entomol. Ztg., Wien, 20, 1901, (11-21).)

(*Neuraphes* (*Scydnoraphes*) *duricollis* Kleinasien, REITTER, Entomol. Ztg., (223), Wien, 22, 1903, sp. n.)

SILPHIDAE.

Larvae of *Silphidae*, tables, PEYERIMHOFF, (116-118) Paris Bull. Soc. ent. 1906.

Agathidium cribatum (419), *subcostatum* (420), Japan, *harmandi* Sikkim (421), PORTEVIN Bul. Mus. Paris 1905, spp. n.

Aglyptinus nom. n. for *Aglyptus* Lcc., COCKERELL (240) Ent. News 17.

Anillocharis stenoptera sp. n. Montenegro, FORMÁNEK Entomol. Ztg., Wien 25 (151).

Apholeuonus knoteki sp. n. Bosnien, REITTER Entomol. Ztg. Wien 25 (237).

Bathyscia alexinae, with subsp. *ittana*, Basses Pyrénées, JEANNEL (23) Paris Bull. Soc. entom. 1906, sp. n.—*B. nadari*, (244), *normandi* (246), Ariège, JEANNEL Paris Bull. Soc. ent. 1906, spp. n.—*B. alexinae* var. *ittana* ♀, JEANNEL Paris Bull. soc. ent. 1906 (151–152).—*B. aubei*, *foveicollis* and *spagnoloi*, larvae, PEYERIMHOFF (112–115) cuts, Paris Bull. Soc. ent. 1906.—*B. aubei* l'aire de dispersion de, CHORAUT Nîmes Bul. soc. étud. sci. nat. 33 (167–168).

Bathysciella gen. n. for *Bathyscia jeanneli*, JEANNEL (23) Paris Bull. Soc. entom. 1906.

Colon tenuicorne New Zealand, PORTEVIN (423) Bull. Mus. Paris 1905, sp. n.—*C. riennense* Herbst var. n. *hirtellum*, FLEISCHER Entomol. Ztg. Wien 25 (37).

Hydnobius suturalis Maroc, PORTEVIN Bull. Mus. Paris 1905 (418), sp. n.

Liocolenis gen. n. near *Colenis*, *pygmaea* sp. n. Sikkim, PORTEVIN (422) T.c.

Liodes obesa varr. n. *mixta* and *minor*, FLEISCHER Entomol. Ztg. Wien 25 (201–209).—*L. rubiginosa* var. n. *dilatocollis* (131), *angulicollis* Reitt. is var. of *calcarata* (133), *calcarata* varr. n. *negrescens* and *subsulcata* (134), FLEISCHER Entomol. Ztg. Wien 25.—*L. vladimiri* sp. n. Böhmen and Mähren, FLEISCHER T.c. (147).

Liodinella gen. n. near *Pseudocolenis* (422), *strigosa* sp. n. Sikkim (423), PORTEVIN Bul. Mus. Paris 1905.

Nargus densissimus Russisch-Arménien (143), *leonhardi* Cephalonia, *turkestanicus* Samarkand, (144), spp. n., *velox* var. n. *nigerrimus* (141), REITTER Entomol. Ztg. Wien 25.

Necrophorus; BARKOWSKI, Insektenbörse Leipzig 23 (156).

Pelatinus nom. n. for *Pelates* Horn, COCKERELL (240) Ent. News 17.

Pseudocolenis grandis, *lata*, (420), *strigosula* (421), Japan, PORTEVIN Bul. Mus. Paris 1905, spp. n.

Pteroloma calathoides Japan, PORTEVIN (421) T.c., sp. n.

Ptomaphagus subvillosus Goetz = (*sericeus* Fabr.) BEDEL (91) Paris Bull. Soc. ent. 1906.

Silpha; the larvae, XAMBEU (264–266, 277, 278, 283–286) Naturaliste 1906.—*S. obscura* var. n. *distincta*, PORTEVIN (386) Bull. Mus. Paris 12.

Sphaeroliodes gen. n. near *Amphicyllis*, *rufescens* sp. n. Japan; PORTEVIN (419) Bull. Mus. Paris 1905.

Sphaeroloma gen. n. near *Pteroloma*, *sikkimensis* sp. n. India, PORTEVIN T.c. (422).

Thanatophilus sinuatus var. n. *aureipilosus*, PORTEVIN T.c. (421).

Troglophyes bedeli Pyrénées orientales, JEANNEL (275) Paris Bull. Soc. ent. 1906, sp. n.

(*Anillocharis* gen. n. *ottonis*, Herzogowina, sp. n., (231), REITTER, Entomol. Ztg., Wien, 22, 1903.)

(*Antroherpon matuliçi* sp. n., Herzogowina, REITTER, T.c. (216).)

(*Bathyscia mascarauxi*, Pyrénées, SAINTE CLAIRE DEVILLE, Paris, Bul. soc. ent., 1905, sp. n.—*B. memausica*, CHORAUT, (76), Nîmes, Bul. soc. étud. sci. nat., 31, 1903, sp. n.—*B. nemausica*, France, CHORAUT, Paris, Bul. soc. ent., 1903, sp. n.—*B. bucheti*, ABEILLE DE PERRIN, Paris, Bul. soc. ent., 1905, sp. n.—*B. jeanneli*, *elgueae*, ABEILLE DE PERRIN, Paris, Bul. Soc. ent., 1904, spp. n.—*B. champsauri*, *foveicollis*, subspp. n. PEYERIMHOFF, Paris, Bul. soc. ent., 1904.—*B. destefanii*, DODERO, Naturalista sicil., Palermo, 17, (121–123).—DE PEYERIMHOFF, Étude sur les *Bathyscia* du groupe d'*aubei* Kiesw. Paris, Bul. soc. entom., 1905, (297–303).)

(*Catops rescissicollis*, PEYERIMHOFF, Paris, Bul. soc. ent., 1905, sp. n.)

(*Diaprysius serrulazi*, PEYERIMHOFF, Op. cit. 1904, (185–186), sp. n.)

(*Leonhardella* gen. n., (209), *angulicollis*, Herzogowina, sp. n., (210), REITTER, Entomol. Ztg., Wien, 22, 1903.)

(*Leptoderus hohenemarti* subsp. n. *reticulatus*, Küstenland, Nordistrien, MÜLLER, Entomol. Ztg., Wien, 24, 1905, (32).)

(*Liodes*, Kritische Studien, FLEISCHER, Entomol. Ztg., Wien, 24, 1905, (269–273, 313–316); Biologie, FLEISCHER Op. cit. 23, 1904, (251–254).)

(*Oryotus schmidti* subsp. n. subdentatus, Nordistrien., MÜLLER, Entomol. Ztg., Wien, 24, 1905, (32).)

(*Silphanillus* gen. n., (210), *leonhardi*, Herzegowina, sp. n., (211), REITTER, Entomol. Ztg., Wien, 22, 1903.)

(*Troglophyes ludovici*, France, CHOBAUT, Paris, Bul. soc. ent., 1903, sp. n.)

PLATYPSYLLIDAE.

Account of *Platypsyllidae*, DESNEUX Gen. ins. fasc. 41.

Platypsyllus castoris, existence of mandibles, the larva, DESNEUX (103-105) Bruxelles Ann. Soc. ent. Belgique 50.—*P. castoris*, GALIEN-MINGAUD, Le Castor du Rhône et ses parasites, Nature Paris 33 (2^e sem.) 1905 (118-119, av. fig.), and 33 1906 (74-77, av. fig.).—*P. castoris* in France, MINGAUD T.c. (85-87).

TRICHOPTERYGIDAE.

Ptenidium (*Matthewsium*) *compactum* Tunis, DE PEYERIMHOFF (55) Paris Bull. Soc. entom. 1906, sp. n.

Trichopteryx fascicularis, larva noticed, MJOBERG (141) Zs. wiss. Insektenbiol. 2.

HISTERIDAE.

Abraeus seliger Portuguese Guinea, LEWIS (405) Genova Ann. Mus. 42, sp. n.

Apobletes marginicollis and *schaumi* distinguished, LEWIS (339) Ann. Mag. Nat. Hist. 17; *A. runensis* New Guinea, id., l.c.; sp. n.—*A. excavatus* Nilgiri hills (182), *mitis* Madagascar (183), LEWIS Op. cit. 18, spp. n.—*A. macer* Gulf of Guinea, LEWIS (399) Genova Ann. Mus. 42, sp. n.

Asolenus gen. n., type *Notolister sanguinosus*, LEWIS (189) Ann. Mag. Nat. Hist. 18.

Atholus; a valid genus, characters and components, LEWIS (402) T.c.—*A. quatuordecimstriatus* distinguished from *duodecimstriatus*, LEWIS (255) Ent. Mag. London 42.

Contipus oblongus Pretoria (340), *immarginatus* Somaliland (341), LEWIS, Ann. Mag. Nat. Hist. 17, spp. n.—*C. fractistrius* (185), *proximus* (186), W. Africa, LEWIS Op. cit. 18, spp. n.—

C. sinuosus Portuguese Guinea, LEWIS (399) Genova Ann. Mus. 42, sp. n.

Epiglyptus gen. n. for *Hister costalis* Mars., LEWIS (342) Ann. Mag. Nat. Hist. Ser. 7, 17.

Epitoxus haeres Portuguese Guinea, LEWIS (403) Genova Ann. Mus. 42, sp. n.

Grammostelhus gen. n. for part of *Hister* (400), *sincensis* sp. n. Ichang (401), LEWIS Ann. Mag. Nat. Hist. Ser. 7 18.

Hister fractistrius Burma (342), *sodalis* Yunnan (343), LEWIS Op. cit. 17, spp. n.—*H. aeneus* Angola, LEWIS (186) Op. cit., sp. n.—*H. (Phelister) gentilis* Horn, LEWIS (403) T.c.—*H. bipustulatus* Schr. (= *finetarius* Hbst.), *H. daldorfi* nom. n. (Bedel) for *bipustulatus* Fabr., BEDEL (91) Paris Bull. Soc. ent. 1906.

Hololepta sternalis Ashanti, LEWIS (337) Ann. Mag. Nat. Hist. Ser. 7 17, sp. n.

Idister mendax Mentawai island, LEWIS (184) Op. cit. 18, sp. n.

Lioderma patulum Peru, LEWIS (181) T.c., n. sp.

Liopygus punctatus Lombok, LEWIS (340) Op. cit. 17, sp. n.—*L. andreweesi* Nilgiri Hills, LEWIS Op. cit. (398), sp. n.

Microliaster gen. n. near *Hister*, *coronatus* sp. n. Fernando Po, LEWIS (400) Genova Ann. Mus. 42.

Notolister, characters; *N. unistrius* (187), *catenatus* (188), *ovatus* (189), Madagascar, spp. n., LEWIS Ann. Mag. Nat. Hist. Ser. 7 18.—*N. nodicornis* Madagascar, LEWIS (344) Op. cit. 17, sp. n.

Pachyeraerus laticeps E. Africa, LEWIS (190) Op. cit. 18, sp. n.—*P. nigrans* (402), *frontalis* (403), Africa occ., LEWIS Genova Ann. Mus. 42, spp. n.

Pachylister pygidialis Yunnan, LEWIS (399) Ann. Mag. Nat. Hist. ser. 7 18, sp. n.

Paromalus longicornis Gulf of Guinea, LEWIS (401) Genova Ann. Mus. 42, sp. n.

Pelorurus feae Portuguese Guinea, LEWIS (404) T.c., sp. n.—*P. ruptistrius* Abyssinia, LEWIS (190) Ann. Mag. Nat. Hist. ser. 7 18, sp. n.

Peranus gen. n. for part of *Hister*, LEWIS (401) T.c.

Plaesus bengalensis Darjiling (338), *ruptistrius* New Guinea (339), LEWIS Op. cit. 17, spp. n.—*P. edentulus* New Britain, LEWIS (182) Op. cit. 18, sp. n.

Platylister placitus New Guinea, LEWIS (184) T.c., sp. n.—*P. niponensis* Japan, LEWIS T.c. (398), sp. n.

Platysoma sibiricum and *deplanatum* distinguished, LEWIS (340) Op. cit. 17.

Santalus gen. n. for part of *Hister*, type *piraticus* Lew., LEWIS (341) T.c.—*S. piraticus* Lew. (399) fig. 1, LEWIS Op. cit. 18.

Spathochus coyei var. n. *nigrinus*, Palästina, REITTER Entomol. Ztg. Wien 25 (32).

Spilodiscus gen. n. for part of *Hister*, type *arcuatus* Say, LEWIS (343) Ann. Mag. Nat. Hist. ser. 7 17.—*S. arcuatus* Say, LEWIS (399) fig. 3 Op. cit. 18.

Teretrius rectistrius Madagascar, LEWIS (181) T.c., sp. n.

Zabromorphus gen. n. type *Hister pachysomus* Ancy, LEWIS (399) T.c.

(*Abraeodes raddei* Reitt., Vorkommen in Siebenbürgen, PENECKE, Entomol. Ztg., Wien, 20, 1901 (11–21).)

(*Abraeus zoppae* sp. n., Siebenbürgen, PENECKE, T.c. (11–21).)

(*Hister*-Arten mit abnormer Flügeldeckenstreifung, PENECKE, T.c. (11–21).)

(*Xenonychus rotundatus*, FIORI, Naturalista sicil., Palermo, 18, 1905, (4–7), sp. n.—*X. rotundatus* Fiori è sinonimo di *Saprinus coniungens* Payk., FIORI Naturalista sicil. Palermo 18 (96).)

NITIDULIDAE.

Amphicrosus fairmairei Madagascar, GROUVELLE (82) Paris Ann. Soc. ent. 75, sp. n.

Amystrops gen. n. voisin de *Mystrops*, *modiglianii* (312), *punctatus* (313), Sumatra, spp. n., GROUVELLE Genova Ann. Mus. 42.

Brachypeplus (Leiopeplus) plagiipennis Madagascar, GROUVELLE (67) Paris Ann. Soc. ent. 75, sp. n.—*B. rufopiceus* (308), *undulatus* (309),

Nouvelle Guinée, GROUVELLE Genova Ann. Mus. 42, spp. n.

Carpophilus piceus Madagascar, GROUVELLE (72) Paris Ann. Soc. ent. 75, sp. n.—*C. proximus* Paraguay (310), *loriae* Nouvelle Guinée (311), GROUVELLE Genova Ann. Mus. 42, spp. n.

Cillaeus ambiguus (= *castaneus* Murray), *alluaudi*, *argodi*, (69), *rufulus*, *fairmairei*, (70), Madagascar, GROUVELLE Paris Ann. Soc. ent. 75, spp. n.

Circopes bimaculatus, *decorsei*, (80), *pubescens*, *tomentosus*, (81), Madagascar, GROUVELLE T.c., spp. n.

Colastus centralis Costa Rica, GROUVELLE (113) Rev. ent. Caen 25, sp. n.

Cryptarcha sicardi Madagascar, GROUVELLE (93) Paris Ann. Soc. ent. 75, sp. n.

Cychramus beccarii Celebes, GROUVELLE (324) Genova Ann. Mus. 42, sp. n.

Epuraea parvula, pabulum is *Daldinia concentrica*, BAGNALL (229) Ent. Mag. London 42.—*E. pusilla* subsp. n., *bickhardtii*, BICKHARDT Entomol. Ztg. Wien 25 (294).—*E. ragusae* sp. n. Sicilien, REITTER Natural. sicil. 18 (219).—*E. propinqua* (315), *emarginata* (316), Birmanie, GROUVELLE Genova Ann. Mus. 42, spp. n.

Haptoncus opaculus Timor (317), *murrayi* Iles Mentawai, *nigritulus* Sumatra, (318), *insularis* Timor (319), *sordidus* (320), *gestroi* (321), Nouvelle Guinée, GROUVELLE T.c., spp. n.—*H. picinus* (73), *dispersus* (74), Madagascar, GROUVELLE Paris Ann. Soc. ent. 75, spp. n.

Ips 4-*pustulata* metamorphosis, Mjöberg (2–6) pl. i figs. 1–3 Uppsala Arkiv. Zool. 3 No. 6.

Labromimus doriae Borneo, GROUVELLE (331) Genova Ann. Mus. 42, sp. n.

Meligethes atomus, *instabilis*, Madagascar, GROUVELLE (78) Paris Ann. Soc. ent. 75, sp. n.

Meligethinus gen. n., entre *Pria* et *Meligethes*, *humeralis* sp. n. Angola, GROUVELLE (202) Paris Bull. Soc. ent. 1906.

Neopocadius gen. n. near *Lasiodactylus*, *nitiduloides* sp. n. Argentina, GROUVELLE (214) T.c.

Nitidula carnaria, pupa, Mjöberg (7) pl. i f. 4 Uppsala Arkiv. Zool. 3 No. 6.

Pallodes lorise (327), *beccarii* (328), *misellus*, *gestroi*, (329), Nouvelle Guinée, *opacus* Iles Arou (333), GROUVELLE Genova Ann. Mus. 42, spp. n.—*P. orthogonius*, *scutatus*, (84), *sicardi* (85), *aestimabilis*, *nitidus*, (86), *nigrocyanus* (87), *militaris*, *aterrimus*, (88), *niger* (89), *perrieri* (90), *scutellaris* (91), Madagascar, GROUVELLE Paris Ann. Soc. ent. 75, spp. n.

Perilopa seriata Amazons, GROUVELLE (114) Rev. Ent. Caen 25, sp. n.

Platychorinus gen. n. voisin des *Aethina*, *dilutus* sp. n. Ile Damma, GROUVELLE (201) Paris Bull. Soc. ent. 1906.

Pocadites bouchardi Borneo, GROUVELLE (323) Genova Ann. Mus. 42, sp. n.

Pria crassa (75), *pygidialis* (76), *parvula* (77), Madagascar, GROUVELLE Paris Ann. Soc. ent. 75, spp. n.

Prometopia bisignata Ternate, GROUVELLE (322) Genova Ann. Mus. 42, sp. n.—*P. marginata* Cambodia, GROUVELLE (115) Rev. Ent. Caen 25; sp. n.

Pseudocampodes fulviceps Nouvelle Guinée (325), *punctatus* Java (326), GROUVELLE Genova Ann. Mus. 42, spp. n.

Pseudostelidota gen. n. (115), *setosa* Brazil sp. n. (116), GROUVELLE Rev. Ent. Caen 25.

Rhizophagus parallelocollis, in skeleton in grave, Joy (256) Ent. Mag. London 42.—*R. perforatus* on mouldy bone, DE LA HARDE (231) Ent. Mag. London 42.—*R. lauricus* = (*lanatus* Fairm.), BEDEL (92) Paris Bull. Soc. ent. 1906.

Stelidota vicina Argentine, GROUVELLE (332) Genova Ann. Mus. 42, sp. n.

Strongylus fairmairei nom. n. pro *S. ruficeps* Fairmaire, *S. sicardi* sp. n. Madagascar, GROUVELLE (83) Paris Ann. Soc. ent. 75.

(*Rhizophagus brancsiki*, Herzegowina, Südbosnien, REITTER, Entomol. Ztg., Wien, 24, 1905, (312), sp. n.)

MONOTOMIDAE.

Bactridium humile Key isld. (122), *parvum* Sumatra (123), GROUVELLE Rev. Ent. Caen 25, sp. n.

Europs crenicollis Madagascar, GROUVELLE (127) Paris Ann. Soc. ent. 75, sp. n.—*E. gestroi* Nias isld. (119), *mariae* Sumatra (120), GROUVELLE Rev. Ent. Caen 25, sp. n.

Mimemodes frigidus New Guinea, GROUVELLE (121) T.c., sp. n.

Monotoma madagascariensis Madagascar, GROUVELLE (126) Paris Ann. Soc. ent. 75, sp. n.

TROGOSITIDAE.

(*Acrops perraudieri*, LÉVEILLÉ, Paris, Ann. Soc. ent., 74, sp. n.)

(*Airora vicina*, *ferruginea*, LÉVEILLÉ, T.c. spp. n.)

(*Ancyrona brunnea*, *A. elongata*, FAIRMAIRE, Paris, Ann. soc. ent., 74, spp. n.)—*A. fcai*, *Congolensis*, *brunnealimbata*, *javanica*, LÉVEILLÉ, Paris, Bul. soc. ent., 1905, spp. n.)

(*Corticotomus sharpi*, LÉVEILLÉ, Paris, Ann. soc. ent., 74, sp. n.)

(*Lophocateres gounellei*, LÉVEILLÉ, Paris, Bul. soc. ent., 1905, sp. n.)

(*Temnochila grilloi*, LÉVEILLÉ, T.c. sp. n.)

(*Tenebroides boggianii*, LÉVEILLÉ, T.c. sp. n.—*T. similis*, *nigro-cyanus*, *passeti*, LÉVEILLÉ, T.c. spp. n.)

COLYDIIDAE.

Caprodes perrieri Madagascar, GROUVELLE (104) Paris Ann. Soc. ent. 75, sp. n.

Cautomus armatus Madagascar, GROUVELLE (115) T.c., sp. n.

Cerylon solidum, *insulare*, (111), *singulare* (112) pl. vii f. 8, *perrieri* (113), Madagascar, GROUVELLE T.c., spp. n.

Cicones insularis to *Diplotoma*, GROUVELLE (104) T.c.

Colydium antennatum and *giganteum* Kr. to *Mecedanum*, GROUVELLE (107) T.c.

Diplotoma transtaalica to *Caprodes*, GROUVELLE (104) T.c.

Ditomoidea gen. n. near *Endophloeus*, *alluandi*, (94), *fairmairei*, *tuberosa*, (95), spp. n., Madagascar, GROUVELLE T.c.

Eudesmula nom. n. for *Endesma* Lec., COCKERELL (241) Ent. News 17.

Leptoglyphus orientalis Sumatra, GROUVELLE (117) Rev. Ent. Caen **25**, sp. n.

Mecedanum carinifrons (105), *punctatum* (106), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75**, spp. n.

Metacerylon gen. n., *parallelum* sp. n. Madagascar, GROUVELLE (110) T.c.

Philothermus seminiger Madagascar, GROUVELLE (115) T.c., sp. n.

Phloeodalis reitteri Cayenne, GROUVELLE (123) Rev. Ent. Caen **25**, sp. n.

Rhechodes spinosus (96), *dorsalis* (97), *sicardi*, *interruptus*, (98), *fairmairei* (99), *brevicornis* (100), *minimus* (101), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75**, spp. n.

Sosylus = (*Metapiestes* Pasc. = (*Pye-nocephalus* Kr.), *S. bistriatus* Fairm. = (*P. angustus* Kr.), GROUVELLE (109) T.c.—*S. frater* (107), *carinifrons* (108), Madagascar, GROUVELLE T.c., spp. n.

(*Cautomus monstrosus*, GROUVELLE, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Heliotameneus lusitanicus*, REITTER, Entomol. Ztg., Wien, **22**, 1903, (174), sp. n.)

CUCUJIDAE.

Hemipeplus madagascariensis Madagascar, GROUVELLE (116) Paris Ann. Soc. ent. **75**, sp. n.

Inopeplus angulicollis Tasmania pl. xviii f. 6, LEA (218) Sydney N.S.W. Proc. Linn. Soc. **31**, sp. n.—*I. major* Madagascar, GROUVELLE (117) Paris Ann. Soc. ent. **75**, sp. n.

Laemophloeus brevipennis (119), *alluaudi*, *mirificus*, (120), *perrieri* (121), *fairmairei* (122), Madagascar, GROUVELLE T.c., spp. n.—*I. integer* Nias isld., GROUVELLE (118) Rev. Ent. Caen **25**, sp. n.

Shoguna sicardi Madagascar, GROUVELLE (125) Paris Ann. Soc. ent. **75**, sp. n.

(*Laemophloeus* (*Silvanophloeus*) *mirus*, Madagascar, GROUVELLE, Paris, Bul. Soc. ent., **1905**, sp. n.).

CRYPTOPHAGIDAE.

Metamorphoses of several species, XAMBEU Naturaliste 1906 (101-103, 120-121).

Cryptophagus subfumatus metamorphosis, MjöBERG (14) pl. v figs. 5 and 6 Uppsala Arkiv. Zool. **3** No. 6.

Diphylus alluaudi, *undulatus*, (128), *magnus* (129), *maculatus*, *concolor*, (130), *canaliculatus* (131), *variegatus* (132), *sordidus*, *parvulus*, (133), *vnotatus* (134), *histrion* (135), *sicardi* (136), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75**, spp. n.

Hapalips alluaudi Madagascar, GROUVELLE (138) T.c., sp. n.

Henoticus germanicus sp. n. Koblenz, REITTER, Entomol. Ztg. Wien **25** (231).

Micrambe consors, *opaculus*, (140), *modestus*, *apicalis*, (141), Madagascar, GROUVELLE Paris Ann. Soc. ent. **75**, spp. n.

Paramecosoma breve Madagascar, GROUVELLE (139) T.c., sp. n.

LATHRIDIIDAE.

Corticaria denticulata, copula, MjöBERG (13) Uppsala Arkiv. Zool. **3**, No. 6.

Dasycerus ionicus var. n. *italica*, Pio (9) Echange **22**.

Lathridius dolichocephalus W. Australia, *obsoletus*, (220), *denticollis*, *serratus*, (221), Tasmania, LEA Sydney N.S.W. Proc. Linn. Soc. **31**, spp. n.

Metophthalmus (*Bonvouloiria*) *kabylianus* sp. n. Algier, CHABAUT Entomol. Ztg. Wien **25** (256).

(*Coluocera fleischeri* Dalmatien, REITTER, Entomol. Ztg. Wien, **21**, 1902, (1-9, mit 1 Taf.) sp. n.)

(*Dasycerus beloni*, *numidicus*, Algérie, Pio, Rev. ent., Caen, **24**, 1905, spp. n.)

(*Enicmus anatolicus*, *E. varendorffi*, Griech. (234), REITTER, Entomol. Ztg. Wien, **22**, 1903, spp. n.)

MYCETOPHAGIDAE.

Berginus madagascariensis Madagascar, GROUVELLE (144) Paris Ann. Soc. ent. **75**, sp. n.

Litargus insolitus (142), *madagascariensis* (143), Madagascar, GROUVELLE T.c., **spp. n.**

(*Satorystia* gen. n., *meschniggi*, Ungarn, (243), REITTER, Entomol. Ztg, Wien, 24, 1905, (243).)

THORICTIDAE.

(*Thorictus peyerimhoffi*, Arabie, CHUBAUT, Paris, Bul. soc. ent., 1904, (243-245), sp. n.)

DERMESTIDAE.

Dermestes, characters of larvae, XAMBEU (199-202, 214-216) Naturaliste 1906.—*D. haemorrhoidalis*, early stages, Mjöberg (9-11) Uppsala Arkiv. Zool. 3 No. 6.

Hadrotoma corticalis var. n. *semilimbata*, Pic (9) Echange 22.

(*Dermestes murinus* subvar. n. *aureiceps*, Ostsiibirien, REITTER, Entomol. Ztg. Wien, 24, 1905, (244).)

BYRRHIDAE.

Curimus anaticus Asia Minor, GANGLBAUER (275) Wien Ann. Hofmus-20, **sp. n.**

Morychus heteromerus vide *Caedimorpha* in *Tenebrionidae*.

PARNIDAE.

Ancyronyx humeralis Kilimandjaro, GROUVELLE (328) Paris Ann. Soc. ent. 75, **sp. n.**

Dryops rufiventris Madagascar, GROUVELLE (147) T.c., **sp. n.**—*D. brevitarsis* Kilimandjaro, GROUVELLE (316) T.c., **sp. n.**

Dupophilus insignis Reitt., Beschreibung, REITTER Entomol. Ztg. Wien 25 (21).

Elmidolia soror (150), *sordida* (151), *stulta*, *crassa*, (152), *odiosa*, *conspicua*, (156), *conspicua* (157), Madagascar, GROUVELLE Paris Ann. Soc. ent. 75, **spp. n.**

Elmis volkmari Panz. neu für St. Petersburg. MAZARAKIJ St. Petersburg Hor. Soc. Ent. Ross. 37 (xcvii-xcix).

Helminthocharis gen. n., *pieca* sp. n. Kilimandjaro, GROUVELLE (321) Paris Ann. Soc. ent. 75.

Helminthopsis, gen. n., *lucida*, (319), *dissimilis* (320), **spp. n.**, Afrique or., GROUVELLE T.c.

Helmis fossilata, a valid sp., SAINTE-CLAIRE DEVILLE Abeille Paris 30 (238).—*H. subfuliginosa* Madagascar, GROUVELLE (149) Paris Ann. Soc., ent. 75, **sp. n.**

Latelmis cecconii sp. n. Italien, REITTER Entomol. Ztg. Wien 25 (239).

Limnius trilineatus Madagascar, GROUVELLE (148) T.c., **sp. n.**

Lobelmis subnigra Kilimandjaro, GROUVELLE (318) T.c., **sp. n.**

Microdes sinensis Yunnan, GROUVELLE (125) Rev. Ent. Caen 25, **sp. n.**

Microdinodes gen. n., *quadrifasciatus*, (324), *melacrus* (325), **spp. n.**, Afrique or., GROUVELLE Paris Ann. Soc. ent. 75.

Pachyelmis silvatica (157), *ingens*, *regimbarti*, (153), *obliqua* (159), Madagascar, GROUVELLE T.c., **spp. n.**—*P. amoena* Kilimandjaro, GROUVELLE (322) T.c., **sp. n.**

Potamodytes latus, *perrieri*, Madagascar, GROUVELLE (145) T.c., **spp. n.**—*P. oxyptera* and *abdominalis* distinguished, GROUVELLE T.c. (146).

Pseudomacronychus gen. n. (326), *castaneus* sp. n. Afrique or. (327), GROUVELLE T.c.

Stenelmis alluaudi Kilimandjaro, GROUVELLE (317) T.c., **sp. n.**

HETEROCERIDAE.

Heterocerus laccigatus, metamorphosis, KLUNZINGER Verh. D. zool. Ges. 16 (218-222).—*H. fluvialis* Italia, FIORI Riv. Col. ital. 4 (257), **sp. n.**—*H. montanus* (163), *fairmairei*, *alluaudi*, (164), *vulpes* (165), *perrieri* (166), *dubitabilis* (167), Madagascar, GROUVELLE Paris Ann. Soc. ent. 75, **spp. n.**—*H. ornatus* (329), *inquinatus* (330), Afrique or., GROUVELLE T.c., **spp. n.**

(*Heterocerus* (*Littorimus*) *conjungens*, GROUVELLE, Mission Pavie, 3, sp. n.)

LUCANIDAE.

Zur Systematik und Nomenclatur der Lucaniden, ZANG D. ent. Zs. Berlin 1906 (93-95).

Lucanidi raccolti nell' Africa occidentale, 7 spp., variation and sexes, GRIFFINI Genova Ann. Mus. 42 (135-148).

Aegus acuminatus var. n. *mandibularis*, MÖLLENKAMP Ent. Zs. Guben 20 (156, 170, 171).—*A. latidens* Schauf., omitted from Munich Catalogue, ZANG (94) D. ent. Zs. Berlin 1906.

Allotopus moseri sp. n. Malakka MÖLLENKAMP (211) Ent. Zs. Guben 20.

Ceratognathus and *Mitophyllus*, synonymy of species, *M. parryanus* = (*zealandicus* Br.), ZANG (95) D. ent. Zs. Berlin 1906.

Cyclommatus incognitus sp. n. Perak, MÖLLENKAMP Insektenbörse 23 (31-32).—*C. rangifer* = (*tarandus* Thunb.) ZANG (94) D. ent. Zs. Berlin 1906.

Dorcus meeki New Guinea, BOILEAU (92) fig. 1 Naturaliste 1906, sp. n.—*D. opacipennis, rosti*, Kaschmir ZANG (184) D. ent. Zs. Berlin 1906, spp. n.—*D. suturalis* Westw. = (*opacipennis* Zang) ZANG T.c., (327).

Hexarthrius buqueti, variation, GRIFFINI Zool. Anz. Leipzig 30 (899-905).

Lucanus cervus, kämpfend, AMMANN Natur u. Glaube Leutkirch 9 (139-140).—*L.*, nymph, PLANET (209) fig. 1 Naturaliste 1906.

Mesotopus, taxonomy, ZANG (93) D. ent. Zs. Berlin 1906.

Metopodontus haecquardi, FELSCH (352) D. ent. Zs. Berlin 1906.—*M. haecquardi* = (*umhangii* Fairm.) ZANG (93) D. ent. Zs. Berlin 1906.—*M. magnificus* Australia sp. n., *torresensis* var. n. *flavoguttatus*, *bison* var. n. *tumidicollis*, MÖLLENKAMP Insektenbörse 23 (31-32).

Odontolabis louei, variation, GRIFFINI Milano Atti Soc. ital. 45 (111-139).—*O. ludekingi* var. n. *robustus*, ROON (271) pl. xiii's Gravenhage Tijdschr. Ent. 49.—*O. signatipennis* sp. n. Sumatra, *O. ludekingi* var. n. *monticola*, MÖLLENKAMP (170) Ent. Zs. Guben 20.

Platyceus opacus sp. n. California, FALL (393) Ent. News 17.

(*Ceratognathus macrognathus, flabelatus* spp. n., BOILEAU, Naturaliste, 27, 1905, (176).)

(*Cyclommatus imperator, lunifer*, BOILEAU, T.c. (176), spp. n.

(*Dorcus (Euryrachelus) brachyceus*, BOILEAU, Paris, Bul. Soc. ent., 1904, (27-28), sp. n.—*D. (Macrodorcus) rugosus*, BOILEAU, Paris, Bul. Soc. ent., 1904, (39-40), sp. n.)

(*Euryrachelus (Serrognathus) titan typhon* var. n., BOILEAU, Naturaliste, 27, 1905.)

(*Lissotes cornutus*, BOILEAU, T.c. (176), sp. n.)

(*Metopodontus biplagiatus nigripes* var. n., BOILEAU, T.c.)

(*Nigidius helleri, impressicollis, lewisi, baeri, bonneuili*, BOILEAU, T.c. spp. n.)

(*Odontolabis parryi*, BOILEAU, T.c. sp. n.)

(*Aegus jansoni*, BOILEAU, T.c. sp. n.)

(*Prosopocoelus laminifer* sp. n., BOILEAU, T.c. (176).)

(*Pseudolucanus lesnei* PLANET, Naturaliste, Paris, 27, 1905, (212-213, av. fig.), sp. n.)

(*Syndesius macleayi, punctatus*, BOILEAU, Naturaliste, 27, 1905, spp. n.)

PASSALIDAE.

Notes on classification and synonymy, with corrections of Kuwert, etc., ARROW (441-451) London Trans. ent. Soc. 1906. Annotated list of types in the Oxford Museum, T.c. (444, 445).

Basilianus; revision, ZANG (176-183) D. ent. Zs. Berlin 1906.

Cetejus sodalicus sp. n. Neu Guinea, ZANG Wichmann Nova Guinea 5 (25).

Chilomazus borealis Assam, ARROW (467) London Trans. ent. Soc. 1906, sp. n.

Didymus curvilineatus E. Africa (462), *congoensis* W. Africa, *laevisternus* E. Africa, (463), *ruenzoricus* (464), *crassus*, (465), Uganda, ARROW T.c., spp. n.

Epiphoroneus **gen. n.** (445), *occipitalis* Esch. = (*tetragonus* Hope = *quadrifrons* Perch.) (460) ARROW T.c.

Erionomus platypleura E. Africa, ARROW (461) T.c., **sp. n.**

Eumelosomus affinis Uganda, ARROW (465) T.c., **sp. n.**—*E. aloysii sabaudiae*, Ruwensori, PANGELLA Torino Boll. Musei zool. anat. 21 N. 540, **spp. n.**

Eumelus nasutus Ecuador, ARROW (459) London Trans. ent. Soc. 1906, **sp. n.**

Lepidaulacides papuanus (23), *analis* (24), **spp. n.**, Neu Guinea, ZANG Wichmann Nova Guinea 5.—*L. pulchellus* New Guinea, ARROW (466) London Trans. ent. Soc. 1906, **sp. n.**

Neleides antillarum Grenada, ARROW (452) T.c., **sp. n.**

Oileus, synonymy and species, ARROW (448) T.c.

Petrejus archidonae Ecuador, *peruvianus* Peru, (456), *spinosus* Ecuador, (457), ARROW T.c., **spp. n.**

Tetraracus centralis Costa Rica, ARROW (458) T.c., **sp. n.**

Triaenurgus solidus Guatemala, ARROW (452) T.c., **sp. n.**

Velurius ishmicus Costa Rica (453), *punctatostriatus* Brit. Guiana (454), *peruvianus* Peru (455), ARROW T.c., **spp. n.**

SCARABAEIDAE.

Tableaux de détermination des Lamellicornes de France, LE COMTE, Nîmes, Bul. soc. étud. sci. nat., 33, 1906, (136–141).

Locomotor organs of larvae, LEISEWITZ.

Copriini.

Aus dem Leben der Dungkäfer, KOLBE Aus d. Natur Stuttgart 1 1906 (641–648, 678–685, 722–729).

Synonymic catalogue of *Geotrupidae*, (1–44) BOUCOMONT.

Aphodius basalis, **nom. n.** for *plagiatus* Raffr., *ballioni*, **nom. n.** for *thoracicus* Roth, SCHMIDT (410) D. ent. Zs. Berlin 1906.—*A. bonnairei* (*cuniculorum* May.), BEDEL (92) Paris Bull. Soc. ent. 1906.—*A. edithae* Ordubad, *stolzi* Corfu, *bachofeni* Turkestan, **spp. n.**, REITTER

D. ent. Zs. 1906 (435–442).—*A. (Mellinopterus) meuseli* **sp. n.** Sibirien, REITTER Entomol. Ztg. Wien 25 (32).—*A. prodromus* var. n. *weberi* (436), *comma* var. n. *incommata* (440), REITTER D. ent. Zs. 1906.—*A. Anidorus zangi* Orenburg, *figuratus* Turkestan, **spp. n.**, SCHMIDT D. ent. Zs. 1906 (410–411).

Atachus; Verirrungen des Instinkts, FAUSSEK St. Petersburg Hor. Soc. Ent. Ross. 37 (1xxix).—*A. sacer*, -Instinkt FAUSSEK St. Petersburg Zap. Russ. Geogr. Obsč. 27 (1 + 1–102 + 1) mit 64 Abb. i. T. u. 4 Taf.

Bolboceras gallicum, *mœurs* du, BÉGUIN Paris Bul. soc. ent. 1906 (93–94); *Bolboceras gallicum*, MOLLANDIN Paris Bull. soc. ent. 1906 (178).—*B. Stenaspidius ruficornis* **sp. n.** N. S. Wales D. ent. Zs. 1906 (452).

Bolbocerosoma, **gen. n.** for *Scarabaeus faretus* Fabr., SCHAEFFER (254) Philadelphia Pa. Trans. Amer. Ent. Soc. 32.

Bradycinetulus, **nom. n.** = *Bradycinetus* Horn, COCKERELL (242) Ent. News 17.

Bradycinetus carinatus **sp. n.** (251), *serratus* var. n. *peninsularis* (252), SCHAEFFER Philadelphia Pa. Trans. Amer. Ent. Soc. 32.

Copris arizonensis **sp. n.** Huachuca mts., SCHAEFFER (254) T.c.—*C. draco* W. Africa, ARROW (127) Ann. Mag. Nat. Hist. ser. 7, 18, **sp. n.**—*C. lunaris* Moskau, SEMENOV Rev. russ. ent. 6 (24–25).

Coptorrhina angolensis Huilla, ARROW (129) Ann. Mag. Nat. Hist. ser. 7, 18, **sp. n.**

Eurypodea, **gen. n.**, near *Phanaeus fredericki* **sp. n.** Venezuela, Klages Scarab. south Venez.

Geotrupes; stridulation, SCHOLZ Insektenbörse 23 (86–87).

Heliocopris cuneifer Abyssinia, LESNE (505) Bul. Mus. Paris 1906, **sp. n.**

Idiostoma landbecki Phil. (as *Oryctes*?) = (*Phyllognathus paulseni* and *simplicifrons* Fairm., FELSCH (350) D. Ent. Zs. 1906.

Lethrus apterus, Lebensweise und Metamorphose, SCHREINER St. Petersburg Hor. Soc. Ent. Ross. 37 (197–208) mit Taf. I.

Notocaulus laticollis Angola, ARROW (130) Ann. Mag. Nat. Hist. ser. 7 18, sp. n.

Ochodaenus planifrons (269), *inarmatus* (270), Arizona, *estriatus* California (271), SCHAEFFER Canad. entomol. 38, spp. n.

Onitis aethiops Abyssinia, LESNE (106) Bul. Muséum Paris 1906, sp. n.

Onthophagus grossepunctatus und *ovatus*, Kopulationsapparat, MÜLLER Entomol. Ztg. Wien 25 (151).—*O. macleari* ♂, *bipustulatus* characters, BLACKBURN (263) Adelaide S. Aust. Trans. R. Soc. 30.—*O. tissoni* sp. n. Syrien, REITTER Entomol. Ztg. Wien 25 (33).—*O. curvifrons* sp. n. Liberia, ORBIGNY Leiden Notes Mus. Jentink 28 (134–136).—*O. vulpinaris* sp. n. Neu Guinea, SCHÖNFELDT Nova Guinea Leide 5 Livr. 1 (29).

Orphnus cf. *Phyllognathus* in *Dynastini*.

Phycochus sulcipennis and *graniceps*, eyes, LEA (222) Sydney N.S.W. Proc. Linn. Soc. 31.

Pleocoma hoppingi sp. n. California, FALL (394) Ent. News 17.

Silphodes dispar Westw., ARROW (130) Ann. Mag. Nat. Hist. ser. 7 18.

Thorectes: list of european, FRANÇOIS (251, 252) Abeille 30.

The following *Coprini* have been previously recorded in the Zoological Record:—

(*Allotrypes* subgen. n., near *Thorectes*, FRANÇOIS, Paris, Bul. soc. ent., 1904.)

(*Aphodius* (*Esymus*) *cuniculorum*, MAYET, Paris, Bul. soc. ent., 1904, (130–132), sp. n.—*A. blaisdelli*, *kuausii*, Kansas and California, FALL, Ent. News, 16, 1905, (129–131), spp. n.)

(*Bolboceras tacumoneusis*, BOUCOMONT, Paris, Bul. Soc. ent., 1903, (260–261), sp. n.)

(*Caccobius globaticeps*, *mixtus*, *biceps*, *semiluteus*, *postulatus*, *semiaeneus*, *lurideus*, D'ORBIGNY, Paris, Ann. soc. ent., 74, 1905, spp. n.)

(*Coptochirus haemonius*, Saloniki, REITTER, Entomol. Ztg., Wien, 22, 1903, (176), sp. n.)

(*Geotrupes genestieri*, BOUCOMONT, Rev. ent. Caen, 23, 1904, sp. n.—*G. (Thorectes) punctatolineatus*, FRANÇOIS, Paris, Bul. Soc. ent., 1904, (139–143), sp. n.)

(*Odontotrupes* subgen. n., *purpureipunctatus*, *taurus*, *rufipes*, spp. n. BOUCOMONT, Rev. ent. Caen, 23, 1904.)

(*Onthophagus ovatus* var. n., *grossepunctatus*, Süddalmatien, Südfrankreich, REITTER, Entomol. Ztg., Wien, 24, 1905, (245).—*O. (s. str.) masaiicus*, *mixtidorsis*, *aequepubens*, *bituberans*, *laminosus*, *pullatus*, *rotundatus*, *nimbatus*, *crucenotatus*, *quadrinotatus*, *nigri-ventris*, *subrugosus*, *triimpressus*, *aerolatus*, *longulus*, *amplipennis*, *trirugatus*, *bifrons*, *geminifrons*, *camerunicus*, *nirifrons*, *sinuosicollis*, *chalcocoloratus*, *ustus*, *clavisetis*, *limbibus*, *pulchellus*, *spurcatus*, *simulator*, *micropunctatus*, *vivienensis*, *laevissimus*, (n.n. = *laevis* d'Orbigny), *flavipennis*, *latevittatus*, *breviculus*, *boops*, *trichopygus*, *pallidus*, *alternater* (♂ de *O. foliaceus* Lansberge), *chloroderus*, *inermiceps*, *simpliciceps*, *variegranosus*, *longipilis*, *angolanus*, *crisatus*, *bicristatus*, *semigraniger*, *rufipodex*, *hilaris*, *decoratus*, *creber*, *polyedrus*, *informis*, *asperatus*, *dilutus*, *guttiger*, *rufipennis*, *semirubens*, *atrofasciatus*, *capillosus*, *miscellus*, *temistriatus*, *atrovirens*, (*Proagoderus*) *nasidens*, *fossidorsis*, *longefossus*, *atriclaviger*, *ignitus*, *rasidorsis*, *triunguliceps* (*Phalops*) *tuberosus*, *O. mixticeps*, *asperulus*, *clusifrons*, *chryso-derus*, *gibberosus*, *gibber*, *trifidisetis*, *altitamina*, *lobaticollis*, *stellioides*, *debilis*, *subocellatus*, *ocellatus*, *furculifer*, *bicornifer*, *inclusus*, *comatulæ*, *ventrosus*, spp. n.; *pugionatus*, *rufus*, *quadraticornis*, *miricornis*, *nigrans*, *gazella*, *lusinganus*, *nigricornis*, *uctalites*, *atriclaviger*, *cyaneicollis*, *brucei*, *cyanopterus*, *sublaevis*, *atrochalcus*, varr. n., D'ORBIGNY, Paris, Ann. Soc. ent., 74, 1905.)

(*Phelotrupes variolicollis*, *indicus*, *immarginatus*, *oberthuri*, *denticulatus*, BOUCOMONT, Rev. ent., Caen, 23, 1904, spp. n.)

(*Rhyssemus sequensi* Obock, Cairo, REITTER, Entomol. Ztg., Wien, 22, 1903, (176), sp. n.)

(*Thorectes armatus*, BOUCOMONT, Rev. ent., Caen, 23, 1904, sp. n.)

Glaphyrini.

Amphicomma straussi Persia **sp. n.** (285), *A. fastuosa* var. *n. reitteri* (284), *distincta* and *vulpes* variation (289), GANGLBAUER Wien Ann. Hofmus. 20.

Melolonthini.

Amphimallus cantabrieus Heyd. = (*felicitanus* Reitt.); *A. lusitanicus* Gyll. characters and synonymy; HEYDEN Entomol. Ztg. Wien 25 (246).—*A. tanyproctoides* **sp. n.** Persien, REITTER Entomol. Ztg. Wien 25 (34).

Anoxia rattoi Mogador, ESCALERA (162) Madrid Bol. Soc. espan. 6, **sp. n.**

Araeohoplia **gen. n.** type *Pachygenema dekindti* Nonfr.; ARROW (131) Ann. Mag. Nat. Hist. Ser. 7 18.

Automolus and *Caulobius* (276, 277); *A. semitifer* (283), *pictus* (284), *operculus*, *irrasus*, (285), *major* (286), **spp. n.**, Australia; BLACKBURN Adelaide S. Austr. Trans. R. Soc. 30.

Caulobius immitis (289), *rotundus* (290), Australia, BLACKBURN T.c., **spp. n.**

Coniopholis subnitida Natal (215), *capensis* Südafrika (216), **spp. n.**, NONFRIED Stettiner ent. Ztg. 67.

Diphucephala, revision with synonymy and the following **spp. n.**:—*puberula* (272), *pulcherrima*, *rectipennis*, (273), *sordida* (274), *crebra*, *carteri*, (275), Australia; BLACKBURN Adelaide S. Austr. Trans. R. Soc. 30.

Elaphocera brandeiroi **sp. n.** Portugal (119); *E. bedcaui* var. *n. molleri* (120); FLACH Entomol. Ztg. Wien 25.

Haplonycha neglecta, *antennalis*, (304), *pilosa* (305), *trichopyga*, *latebri-cola*, (306), *spadix*, *marginata*, (307), *longior*, *sloanei*, (308), *accepta*, *punctatissima*, (309), *paradoxa* (310), *firma*, *clypealis*, (311), *amabilis* (312), *nobilis*, *amoena*, (313), *lucifera* (314), *mauricei* (315), *egregia*, *rustica*, (316), *arvicola* (317), *electa* (318), *sabulicola*, *aequaliceps*, (319), *thoracica*, *clara*, (320), *faceta* (321), *jungi* (322), Australia, BLACKBURN Adelaide S. Austr. Trans. R. Soc. 30, **spp. n.**

Hemictenius drescheri **sp. n.** Buchara, REITTER Entomol. Ztg. Wien 25 (34).

(n-9720 j)

Hoplia coerulea, histoire, Du BUYSSON Misc. ent. Narbonne 14 1906 (1-8).—*H. (Decamera) fiorii* **sp. n.** Emilia, *H. meridionalis* var. *n. molise*, AMORE Riv. Col. ital. 4 (57-62).—*H. pentheri* Asia Minor, GANGLBAUER (282) Wien Ann. Hofmus. 20, **sp. n.**

Hopliinae, use of incrassate legs; LONGSTAFF (93-95) London Trans. Ent. Soc. 1906.

Lachnosterna alpina ♀, KNAUS (148) Canad. Entomol. 38.—*L. arkansana*, *pygidialis*, (257), *latidens* (258), SCHAEFFER Philadelphia Pa. Trans. Amer. Ent. Soc. 32, **spp. n.**

Lepidiota haasei **sp. n.** Siam, NONFRIED (219) Stettiner ent. Ztg. 67.

Leucopholis brenskei **sp. n.** Sumatra (216), *L. armata* var. *n. puluana* (217), NONFRIED T.c.

Listronyx antarcticus figs. 1 and 3, *hirsutus* figs. 2 and 4 pl. ii, BRENSKE (32) Résult. Belgica, Zoologie.

Melolontha; Schaden der Arten an Runkelrüden, POSPELOV Věst. sacharn. promysl. 7 1 (139-143).—*M.* Flugjahre seit 1890 in den Grossherzogl. Hessischen Oberförstereien, SCHUSTER Zool. Garten Frankfurt a. M. 47 (26-28).—*M. hippocastani* at Berlin, var. statistics, WANACH (229-234) Berliner ent. Zs. 50.

Nematophylla **gen. n.** near *Lachnosterna*, *rugosa* **sp. n.** Sumatra, ARROW (48) Ann. Mag. Nat. Hist. Ser. 7 18.

Octoplasia gigantea (49), *prolixa* (50), BORNEO, ARROW T.c., **spp. n.**

Rhizotrogus (*Amphimallus*) *beauprei* Algérie, PIO (25) Echange 22, **sp. n.**—*R. cicatricosus*, Aufenthaltsorte PREDIGER Insektenbörse 23 (88).—*R. prae-cox* **sp. n.** Umbria, LEONI (62) Rév. col. ital. 4, **sp. n.**—*R. tschitscherini*, Lebensweise, FAUSSEK St. Petersburg Zap. Russ. Geogr. Obsč. 27 (1+1-192).

Schonherria brenskei **sp. n.** N.W. China, NONFRIED (219) Stettiner ent. Ztg. 67.

Spaarmannia dekindti **sp. n.** Angola, NONFRIED (220) T.c.

Synelitopa sambesiana **sp. n.** Sam-besi, NONFRIED (219) T.c.

(*Amphimallina* gen. n. (203), *jenrichi*, Uralfluss, sp. n., (204), REITTER, Entomol. Ztg, Wien, 24, 1905.)

(*Chilotrogus* gen. n. (202), *panotrogoides*, Zentral-Persien, (203), sp. n., REITTER, T.c.)

(*Homalophia fritschii*, Bosnien, REITTER, T.c. (201), sp. n.)

(*Ilopolontha* gen. n., *paviei*, FAIRMAIRE, Mission Pavie, 3, sp. n.)

(*Lachnosterna pinguis*, FAIRMAIRE, T.c. sp. n.)

(*Pectinichelus chinensis* sp. n., REITTER, Entomol. Ztg, Wien, 24, 1905, (202).)

Rutelini.

Anomala antennata New Mexico (1), *peninsularis* Lower California, *ludoviciana* Louisiana, (3), *tibialis* Texas (5), SCHAEFFER New York J. Ent. Soc. 14, spp. n.—*A. cerea* (131), *funebris* (132), Angola, ARROW Ann. Mag. Nat. Hist. Ser. 7 18, spp. n.—*A. tigrina* sp. n. Sumatra, NONFRIED (221) Stettiner ent. Ztg. 67.

Antichira nevinsoni Yurimaguas, FOWLER (98) Ent. Mag. London 42, sp. n.

Nannopopillia damarae variation, ARROW (132) Ann. Mag. Nat. Hist. Ser. 7 18.

(*Adoretus drurei*, PIO, Paris, Bul. soc. ent., 1905, sp. n.)

(*Plusiotis beyeri*, Arizona, SKINNER, Ent. News, 16, 1905, (289-292), sp. n.)

Dynastini.

Actinobolus radians Westw., Bemerkung, locality, sexes, HELLER D. ent. Zs. Berlin (96).

Anoplocephalus gen. n. *Cyclocephalides* (259), *eribrifrons* sp. n. Arizona (260), SCHAEFFER Philadelphia Pa. Trans. Amer. Ent. Soc. 32.

Astaborus and *Pycnoschema*, components, ARROW (134) Ann. Mag. Nat. Hist. Ser. 7 18.

Daemonoplus flobri Mexico (269), *pehlkei* Guatemala (273), spp. n., KOLBE Stettiner ent. Ztg. 67.

Dinoryctes gen. n. für *Oryctes truncaticollis* Fairm., FELSCHÉ D. ent. Zs. 1906 (351).

Dynastes tricornis, lagaii, spp. n., Dominica, VERRILL (317) Amer. J. Sci. 21.

Lonchotus muticus = *Heteronychnus foveipennis* Fairm., *L. crassus* = (*late-retusus* Fairm.), FELSCHÉ (349) D. ent. Zs. Berlin 1906.

Megalosoma janus sp. n. Paraguay, FELSCHÉ T.c. (352).

Oryctes crampoli = (*ingens* Kolbe), STERNBERG (161) D. ent. Zs. Berlin 1906.—*O. cristatus* = (*crampeli* Fairm.), FELSCHÉ (351) D. ent. Zs. Berlin 1906.—*O. rhinoceros*, natural history, BANKS (143-154) pls. i-iv Philipp. J. Sci. 1.

Pentodon dispar, synonymie, BEDEL (92) Paris Bull. Soc. ent. 1906.

Phyllognathus cf. *Orphnus*, *P. pygmaeus* Nonfr. to *Orphnus*, FELSCHÉ (350) D. ent. Zs. Berlin 1906.

Pycnoschema cavifrons Abyssinia, LESNE (507) Bul. Mus. Paris 1906, sp. n.—*P. nigra, polita*, Angola, ARROW (133) Ann. Mag. Nat. Hist. Ser. 7 18, spp. n.

Strategus beckeri (14) pl. i f. i, *adulescens* (15) f. 2, *fallaciosus* (16) f. 3, Mexiko, *piosomus* hab. ? (24) f. 5, *argentinus* Cordoba (24), *centaurus* Süd-Brasilien (29) f. 8, spp. n., KOLBE Berliner ent. Zs. 51.

Stypotrupes itys = (*Dichodontus renkeni* Nonfr.) FELSCHÉ (352) D. ent. Zs. Berlin 1906.

Xenodorus janus = (*Heteronychnus paradoxus* Boh.) FELSCHÉ (349) T.c.

Xylotropes inarmatus Java sp. n., STERNBERG D. ent. Zs. Berlin 1906 (172).

Cetoniini.

Habits of a few S. African *Cetoni*, LONGSTAFF (91-93) London Trans. ent. Soc. 1906.

Cetonia (*Potosia*) *affinis* et ses variétés, *albonotata* var. n., LE COMTE Paris Bull. soc. ent. 1906 (247-249).—*C. stictica*, NOEL Naturaliste Paris 28 (139).

Clerota parvula Sumatra, MOSER (276) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Dasyvalgus nigrofasciculatus, gilleli, Sarawak, MOSER (12) T.c., **spp. n.**—*D. tigrinus* Sumatra, MOSER (402) T.c., **sp. n.**

Digenethle subcostata New Guinea, MOSER, (274) T.c., **sp. n.**

Diploa tridens Angola, ARROW (136) Ann. Mag. Nat. Hist. Ser. 7 **18**, **sp. n.**

Glycyphana magnifica (400), *rubripes* (401), Solomon islands, MOSER Bruxelles Ann. Soc. ent. Belgique **50**, **spp. n.**

Hybovalgus yunnanus Yunnan, MOSER (403) T.c., **sp. n.**

Ischiopsopha helleri New Guinea, MOSER (273) T.c., **sp. n.**—*I. cuprea* New Guinea (395), *bennigseni* New Pommernia (396), MOSER T.c., **spp. n.**

Leucocelis viridiventris E. Africa, MOSER (401) T.c., **sp. n.**

Lomaptera abdominalis New Guinea, MOSER (273) T.c., **sp. n.**—*L. wahnesi* New Guinea **sp. n.** (397), *abdominalis* ♀ (398), MOSER T.c.—*L. hackeri* (561), *macrostiola* (562), Queensland, LEA Sydney N.S.W. Proc. Linn. Soc. **31**, **spp. n.**

Myoderma pusilla Angola, ARROW (135) Ann. Mag. Nat. Hist. Ser. 7 **18**, **sp. n.**

Osmoderma revision; BEDEL Abeille **30** (253–258).

Pachnoda roseiventris E. Africa, MOSER (279) Bruxelles Ann. Soc. ent. Belgique **50**, **sp. n.**

Protaetia gregori Luzon, MOSER (278) T.c., **sp. n.**

Pseudochalcothea inermis, *sumatrana*, Sumatra, MOSER (275) T.c., **spp. n.**

Rhomborrhina ultramarinea Nepal (222), *laotica* Laos (223), **spp. n.**, NONFRIED Stettiner ent. Ztg. **67**.

Sisyrphora cicatricosa Burm., habitat and characters, ARROW (135) Ann. Mag. Nat. Hist. ser. 7 **18**.

Taeniodera madurensis India, MOSER (277) Bruxelles Ann. Soc. ent. Belgique **50**, **sp. n.**—*T. adspersa* Borneo (398), *vitticollis* Sumatra (399), MOSER T.c., **spp. n.**

Trichius dombrowskii **sp. n.** Birma, NONFRIED (224) Stettiner ent. Ztg. **67**.—*T. gallicus* = (*rosaceus* Kr.), *T. sexualis* **sp. n.** = (*gallicus* Reitt. nec Heer.), BEDEL (92) Paris Bull. Soc. ent. 1906.

(N-9720 j)

Trichotarsus dolrni ♀, MOSER (595) Bruxelles Ann. Soc. ent. Belgique **50**.

Valgus hemipterus, FRINGS Ent. Zs. Guben **20** (22).

(Le Comte, G. Tableaux de détermination des Cétonides de France. Ntmes, Bul. soc. étud. sci., nat., **32**, 1905, (76–85).)

(*Callinomes rufiventris*, FAIRMAIRE, Mission Pavie, **3**, **sp. n.**)

(*Cetonia (Potosia) mayeti*, LE COMTE, Paris, Bul. soc. ent., **1905**, **sp. n.**)

(*Mecynorhina oberthuri*, Ukami, FAIRMAIRE, Paris, Bul. soc. ent., **1903**, (261–263, av. fig.), **sp. n.**)

(*Chloresthia* gen. n., *clypeata*, FAIRMAIRE, Paris, Bul. soc. ent., **1905**, **sp. n.**)

BUPRESTIDAE.

Buprestidae du Musée de Santiago (Chile), habits, localities, dates, GERMAIN et KERREMANS Bruxelles Ann. Soc. ent. Belgique 1906 (377–394).

Larval means of locomotion, LEISEWITZ.

Acmaeodera sinuosa Mexico (45), *lesnei* Mexico? (72), *fontainieri* S. America (97), *vipera* (110), *bouvieri* (120), Mexico, *gosseti* Paraguay (177), *brunneipennis* Egypt (212), KERREMANS Mon. Buprest. **2**, **spp. n.**—*A. virgulata* var. n. *moroderi*, REITTER (375) Bol. Soc. esp. Hist. nat. **6**.

Agrilus chrysoderes var. *rubicola* Ab., MARCHAL Paris Bull. soc. ent. **1906** (170–171).—*A. albomarginatus* Italia, FIORI (260) Riv. Col. ital. **4**, **sp. n.**—*A. feae* (408), *gestroi*, *bolamus*, (409), *subtenuis* (410), Africa occ., KERREMANS Genova Ann. Mus. **42**, **spp. n.**—*A. germaini* Chile, GERMAIN and KERREMANS Bruxelles Ann. Soc. ent. Belgique **50**, **sp. n.**—*A. lucanus* **sp. n.** Lower California, FALL (167) Ent. News **17**.—*A. monticola* **sp. n.** New Guinea, KERREMANS D. ent. Zs. **1906** (416).

Buprestis to be maintained for *octoguttata* L. and allies, KERREMANS (174–177) Bruxelles Ann. Soc. ent. Belgique **50**.—*B. saigueina* Fabr. is a *Stigmodera*, ESCALERA (199–203) Madrid Bol. Soc. espan. **6**.

Chalcophora detrita, BOTTO Riv. Col. ital. **4** (73-74).

Chrysobothris bennigseni sp. n. Admiraltäts Insel., KERREMANS D. ent. Zs. **1906** (414).

Chrysodema jansonii var. n. *violacea*, KERREMANS (412) T.c.

Coraeus fcae Fernando Po, KERREMANS (408) Genova Ann. Mus. **42**, sp. n.

Cyphogastra bennigseni sp. n. Solomons Ins., KERREMANS D. ent. Zs. **1906** (413).

Dactylozodes cylindrica (389), *cuyana* (Phil.) (390), Chile, GERMAIN and KERREMANS Bruxelles Ann. Soc. ent. Belgique **50**, spp. n.

Dicerca miranda Reitt. neu für Russlands, BAROVSKIJ St. Peterburg Hor. Soc. Ent. Ross. **37** (cxx, cxxi).

Etinogonia chalyboeiventris Chile, GERMAIN and KERREMANS (380) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Exagistus fossicollis sp. n. Shortlands Ins., KERREMANS D. ent. Zs. **1906** (413).

Julodis; the palaearctic species and their varieties, THÉRY Paris Bull. soc. ent. **1906** (124-127).—*J. bennigseni* (168), *bicolor* (169), *vitticollis* (170), S.W. Africa, OBST Bruxelles Ann. Soc. ent. Belgique **50**, spp. n.

Mastogenius impressipennis sp. n. Lower California, FALL (167) Ent. News **17**.—*M. laevifrons* Chile, GERMAIN and KERREMANS (394) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Neopolycesta gen. n. for part of *Polycesta* (458), *inornata* sp. n. Africa (465), KERREMANS Mon. Buprest. **1**.

Philandia gen. n. *Agrilines* (391), *araucana* sp. n. Chile (392), GERMAIN and KERREMANS Bruxelles Ann. Soc. ent. Belgique **50**.

Pithiscus trifasciatus (385), *chalybaeofasciatus*, *angulatus*, (386), Chile, GERMAIN and KERREMANS T.c., spp. n.

Polybothris latissima, *theryi*, Madagascar, MEYER-DARCS (36) Paris Bull. Soc. entom. **1906**, spp. n.

Polycesta damarana S. Africa (475), KERREMANS Mon. Bupr. **1**, sp. n.—*P. damarana* var. n. *maculata*, OBST (172)

Bruxelles Ann. Soc. ent. Belgique **50**.—*P. arizonica* Palmerlee sp. n. (22), table of N. American (23), SCHAEFFER Canad. Entomol. **38**.

Pseudocastalia dybowskii Congo (450), *peringueyi* Transvaal (452), KERREMANS Mon. Buprest. **1**, spp. n.

Stigmodera helmsi N. S. Wales, CARTER (259) pl. xx f. 10, Sydney N.S.W. Proc. Linn. Soc. **31**, sp. n.

Trachykele opulenta (162), *nimbosa* (163), California, FALL Ent. News **17**, spp. n.

(PIC, M. Sur les Buprestides principalement paléarctiques du genera de Wytsman, Paris, Bul. soc. zool., **29**, 1904, (134-138).)

(*Agrilus cygneus*, Algérie, ABEILLE DE PERRIN, Paris, Bul. Soc. ent., sp. n., **1903**, (334-335).—*A. divaricatus*, *bedeli*, ABEILLE DE PERRIN, Paris, Bul. soc. ent., **1905**, spp. n.)

(*Astraeus caledonicus*, FAUVEL, Rev. ent. Caen, **23**, 1904, sp. n.)

(*Conognatha mayeti*, sp. n., THÉRY, Paris, Bul. soc. ent., **1904**, sp. n.)

(*Coroebus helichrysi*, ABEILLE DE PERRIN, Paris, Bul. soc. ent., **1904**, sp. n.—*C. orientalis*, ABEILLE DE PERRIN, Op. cit. **1905**, sp. n.)

(*Cardiaspis pisciformis*, THÉRY, Paris, Bul. Soc. ent., **1904**, (73-76, av. fig.), sp. n.)

(*Julodis mathiesseni*, Zentral-Persien, REITTER, Entomol. Ztg., Wien, **24**, 1905, (204), sp. n.)

(*Dystaxia elegans*, California, FALL, Ent. News, **16**, 1905, (71-74), sp. n.)

(*Strobilodera gastoni*, THÉRY, Paris, Bul. soc. ent., **1904**, sp. n.)

EUCNEMIDAE.

(*Fornax caledonicus*, *ferrugineus*, *brevicornis*, *soricinus*, FAUVEL, Rev. ent. Caen, **23**, 1904, spp. n.)

THROSCIDAE.

Throscus mesopotamicus Mesopotamie, *difficilis* Egypte, PIC (65) Echange **22**, spp. n.

ELATERIDAE.

The genera of *Elateridae* and lists of the species, SCHWARZ *Genera insectorum* fasc. 46, a, b, c, 6 plates.

Acroniopus marginicollis sp. n. Australien, SCHWARZ D. ent. Zs. 1906 (369).

Adelocera strangulata Madagascar, FLEUTIAUX (199) Paris Bul. soc. ent. 1906, sp. n.—*A. brevicornis* (211), *denticornis*, Tonkin, *constellata* Java, (212), FLEUTIAUX T.c., spp. n.

Aeoloides subg. n. for *Heteroderes walli*, etc., SCHWARZ (109) Gen. ins. Elater.

Aeolus abbreviatus (128), *apicatus* Brazil (123), *basilaris* Argentina (131), *crucifer* Bolivia (129), *decoratus* Brazil (127), *discoidalis* Brazil (128), *indistinctus* Brazil (122), *interruptus* Brazil (120), *krugi* Brazil (125), *latifasciatus* (sic) Brazil (124), *lepidulus* Brazil (121), *longicollis* Brazil (134), *medianus* Brazil (120), *nigriceps* Bolivia (130), *pustulatus* Brazil (126), *sempustulatus* Brazil (124), *sordidus* Argentina (133), *terminatus* Peru (132), *umbratus* Brazil (133), spp. n., SCHWARZ D. ent. Zs. Berlin 1906.—*A. (Phedomenus) basilaris* Brazil, SCHWARZ (112) D. ent. Zs. Berlin 1906, sp. n.

Agriotes; larval food-habits, LAMPA Uppsala ent. Tidskr. 27 (68).—*A. infuscatus* Desbr. var. n. *sunaptoides* Italien, REITTER Entomol. Ztg. Wien 25 (240).—*A. edmondi* Taurus, PIC (1) Echange 22, sp. n.

Agrioides gen. n. for part of *Agonischius*, SCHWARZ (273) Gen. ins. Elater.

Agrypnus notodonta, caccia, BOLASCO Natural. sicil. 18 (258-260).

Alampoides gen. n. for part of *Pyrophorus*, SCHWARZ (216) Gen. ins. Elater.

Alaus curtipennis nom. n. for *brevipennis* Schw., SCHWARZ (326) D. ent. Zs. Berlin 1906.

Anchastus brunneofasciatus Brazil, sp. n., SCHWARZ (137) T.c.

Anilicopsis gen. n. for *Dicteuiphorus dubius*, SCHWARZ (285) Gen. ins. Elater.

Anoplischius angularis Cauca Valley (104), *brevipes* Argentina (101), *bruchii* Brazil (103), *flavescens* Mendoza (102),

substriatus Brazil (100), spp. n., SCHWARZ D. ent. Zs. Berlin 1906.

Aplopus angusticollis Mendoza sp. n., SCHWARZ (143) T.c.

Asaphoides gen. n., *nigripennis* N. S. Wales, *ater* Australien, spp. n., SCHWARZ T.c. (366-367).

Athous puncticollis var. n. *testaceicolor*, PIC (33) Echange (22).—*A. austriacus* Desbr. var. n. *flecki* Rumänien, REITTER Entomol. Ztg. Wien 25 (240).—*A. undulatus*, coloration and varietal nomenclature, PIC (118) Paris Bul. soc. ent. 1906; varietal note, PIC (14) Echange 22; Coloration du sexe mâle, DU BUYSSON Paris Bul. soc. ent. 1906 (54-55).

Beliophorus natalensis Natal, SCHWARZ (247) pl. vi f. 3 Gen. ins. Elater., sp. n.

Betarmonides gen. n. for *Betarmon* of New Zealand, SCHWARZ (147) T.c.

Campyloides, gen. n. for *Pleonomus fleutiauxi* Schw., SCHWARZ (299) T.c.

Campylus flabellatus, *pectinatus*, spp. n., Kaukasus, REITTER Entomol. Ztg. Wien 25 (274).

Cardiophorus lutescapulatus Perse, DU BUYSSON (19) Bull. Mus. Paris 12, sp. n.

Cardiorhinus discicollis St. Catharina, sp. n., SCHWARZ (149) D. ent. Zs. Berlin 1906.

Chaleolepidius parallelus San Salvador, *substriatus*, (97), *viriditarsus* (98), Arizona, SCHWARZ T.c., spp. n.

Chrosis illita Cand. = (*Metablax plasoni* Schw.) SCHWARZ (368) T.c.

Corymbites alpestris Mon., Beschreibung, KOENIG Entomol. Ztg. Wien 25 (23).

Cosmesus mediofasciatus, (152) *posticinus* (151), *rugifrons* (152), spp. n., Brazil, SCHWARZ D. ent. Zs. Berlin 1906.

Crepidius cuneipennis, hab. not given, sp. n., SCHWARZ T.c.

Crepidomenus metallicus sp. n. Victoria, SCHWARZ T.c. (364).

Cylindroderus plugiatus, (157), *vulneratus* (158), spp. n., Bolivia, SCHWARZ T.c.

Dicronychus ferrugineus Südwest-Afrika, *alternatus* Delagoa-Bay, *proster-nalis* Kamerun, spp. n., SCHWARZ T.c. (369-370).

Diplostethus, **gen. n.**, SCHWARZ (258)
Gen. ins. Elater.

Drasterius curtipennis **nom. n.** for
brevipennis Schw., SCHWARZ (326) D.
ent. Zs. Berlin 1906.

Dulus **gen. n.** *Pomachilides* (199),
aberrans **sp. n.** Madagascar (200),
FLEUTIAUX Paris Bull. Soc. ent. 1906.

Elatér bodemeyeri **sp. n.** Anatolien,
REITTER D. ent. Zs. 1906 (449).

Ethesopus grandiusculus (147), *prae-*
clarus (148), *terminatus* (147), **spp. n.**,
SCHWARZ D. ent. Zs. Berlin 1906.

Geranus lineicollis = (*Sphenclater*
nigricornis Schw.) SCHWARZ (326) T.c.

Heterocrepidus minor (98), *modestus*
(99), **spp. n.**, Brazil, SCHWARZ T.c.

Horistonotus luteus Mendoza (145),
piceus Buenos Aires (146), *tumidicollis*
Mendoza (145), **spp. n.**, SCHWARZ T.c.

Hypnoidus fleutiauxi **nom. n.** pro
monadicoides Fleut. (153), *pictipennis*
nom. n. pro *variegatus* Schw. (156),
SCHWARZ Gen. ins. Elater.

Hypocoelus mathiesseni Kaukasus
(239), *H. (Paraphloeus) leonhardi*
Corsica (241), REITTER Entomol. Ztg.
Wien 25 (239).

Ischiodontus melanozanthoides Fer-
nando Po, FLEUTIAUX (213) Paris Bull.
Soc. ent. 1906, **sp. n.**—*I. amitinus*
Brazil (110), *bicolor* Surinam (107),
bivittatus Paraguay (107), *crassiusculus*
Argentina (106), *curticollis* Brazil
(109), *ferrugatus* Peru (110), *nigri-*
ventris Bolivia (105), *parallelus* Ala-
bama (104), *rubiginosus* Argentina (107),
spp. n., SCHWARZ D. ent. Zs. Berlin
1906.

Medonia deromecoides Chile **sp. n.**,
SCHWARZ (136) T.c.

Megapenthes flavipes Mendoza **sp. n.**,
SCHWARZ (135) T.c.

Monadicus bruchi Buenos Aires **sp. n.**,
SCHWARZ (142) T.c.

Monocrepidius discoidalis **nom. n.** for
vitticollis Schw., *planatus* **nom. n.** for
depressus Schw., SCHWARZ (326) D. ent.
Zs. Berlin 1906.—*M. angustatus*
Brazil (115), *cincticollis* Argentina
(118), *fimbriatus* Mendoza (119),
goyaziensis Brazil (116), *lacerosus*
Peru (113), *lateralis* Brazil (115),
nigrosuturalis Argentina (117), *rufi-*

cornis Mendoza (114), **spp. n.**, SCHWARZ
T.c.—*M. lenticulatus*, *latus*, Queensland,
antennatus Victoria, *antennarius*,
collaris, *condensus*, *plasoni*, Australien,
fuscipennis, *ater*, Victoria, SCHWARZ T.c.
(356–362), **spp. n.**

Oligostethus **gen. n.** for *Idiotropia*
capensis Schw., SCHWARZ (315) Gen.
ins. Elater.

Olophoeus protensus Gerst. = (*Psephus*
rugulipennis Cand.), SCHWARZ (326) D.
ent. Zs. Berlin 1906.

Pachyelater obscurus Madagascar,
LESNE (174) Paris Bull. Soc. ent. 1906,
sp. n.—*P. macrocerus* **sp. n.** Id. T.c.
(277).

Panspaeus biguttatus New Zealand,
SCHWARZ (148) Gen. ins. Elater., **sp. n.**

Parablax **gen. n.** for part of *Meta-*
blax, SCHWARZ D. ent. Zs. 1906 (368).

Paracrepidomenus **gen. n.**, *fascicu-*
latus **sp. n.** Australien, SCHWARZ T.c.
(364–365).

Parallostethus **gen. n.**, SCHWARZ (258)
Gen. ins. Elater.

Parapomachilius cosmesoides Men-
doza (140), *lateralis* Brazil (141),
SCHWARZ D. ent. Zs. Berlin 1906,
spp. n.

Plastocerus dimidiatus Peru **sp. n.**,
SCHWARZ (158) T.c.

Pleonomoides **gen. n.** for *Nomopleus*
flavus Schw., SCHWARZ (302) Gen. ins.
Elater.

Pomachilius elegantulus (139), *longi-*
cornis (137), *pulcher* (138), **spp. n.**,
Brazil, SCHWARZ D. ent. Zs. Berlin
1906.

Prstilophus bifoveolatus to *Chrosis*,
SCHWARZ (326) T.c.

Psephus sordidulus = (*feralis* Cand.),
SCHWARZ (326) T.c.—*P. quadraticollis*
sp. n. Australien, SCHWARZ T.c. (353).

Pyrophorus lineatocollis Brazil (153),
longipennis Cuba (154), *schneideri*
Brazil (155), *semiotoides* Argentina
(155), **spp. n.**, SCHWARZ T.c.

Rhinopsephus **gen. n.** for *Psephus*
minor etc., SCHWARZ (82) Gen. ins.
Elater.

Silesis crassus Perse, DU BUYSSON
(20) Bull. Mus. Paris 12, **sp. n.**

Simodactylus trivittatus, Shortlands Ins., *suluralis* Queensland, *brunneus* Australien, SCHWARZ D. ent. Zs. **1906** (353–355), spp. n.

Tarsalgus schneideri sp. n. Delagoa Bay, SCHWARZ T.c. (370).

Tomoccephalus bilineatus Chiriqui sp. n., SCHWARZ (150) T.c.

Triplonychoidus gen. n. for *Triplonychus trivittatus* Champ. etc., SCHWARZ (181) Gen. ius. Elater.

Triplonychus boliviensis Bolivia, *bruchii* Argentina, spp. n., SCHWARZ (144) D. ent. Zs. Berlin **1906**.

The following Elateridae have already been recorded in the Zoological Record.

(*Agriotes dilataticoxis*, Maroc, Du Buysson, Rev. ent. Caen, **23**, 1904, sp. n.)

(*Athous villardi*, CARRET, Paris, Bul. Soc. ent., **1904**, (170–173), sp. n.—*A. eximius, insulsus, nadari*, Du Buysson, Paris, Bul. soc. ent., **1904**, (58–60), spp. n.—*A. bagdadensis*, Bagdad, *uhagioni*, Espagne, Du Buysson, Rev. ent. Caen, **23**, 1904, spp. n.—*A. olceseii*, Du Buysson, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Cardiophorus acneipennis*, Madagascar, (12), FLEUTIAUX, Paris, Bul. soc. ent., **1904**, sp. n.—*C. eliasi* sp. n., Syrie, PIG, Paris, Bul. soc. ent., **1904**, (298–299).—*C. impezus, sbeitlensis*, Du Buysson, Paris, Bul. soc. ent., **1905**, spp. n.)

(*Corymbitodes* subgen. n., *longicollis* sp. n., Du Buysson, Paris, Bul. soc. ent., **1904**.)

(*Denticollis (Campylus) jakobsoni*, Lenathal, REITTER, Entomol. Ztg., Wien, **22**, 1903, (280–281), sp. n.)

(*Dorigonus ceylanicus*, FLEUTIAUX, Paris, Ann. soc. ent., **74**, sp. n.)

(*Elatér nigrita, frontalis, marginellus*, FAUVEL, Rev. ent. Caen, **23**, 1904.)

(*Elatous oberndorferi*, Buffalo, N.Y., *smyrnensis*, Smyrna, (207), *syriacus*, Beirut, (203), SCHWARZ, Entomol. Ztg., Wien, **22**, 1903, spp. n.)

(*Hemirraphes bivittatus*, FLEUTIAUX, Paris, Ann. soc. ent., **74**, sp. n.)

(*Heteroderes parallelus*, FLEUTIAUX, Paris, Bul. soc. ent., **1903**, sp. n.)

(*Homotechnes brunneus*, FLEUTIAUX, Paris, Ann. soc. ent., **74**, sp. n.)

(*Ilypnoidus incommodus, monadicoides*, FLEUTIAUX, T.c., spp. n.)

(*Lacon tellini*, FLEUTIAUX, Paris, Bul. soc. ent., **1903**, sp. n.)

(*Ludius cupreus* var. n., *hilfi*, Herzogowina, REITTER, Entomol. Ztg., Wien, **21**, 1902, (1–9).—*L. maindroni*, FLEUTIAUX, Paris, Ann. soc. ent., **74**, sp. n.)

(*Melanoxanthus picturalus*, FAUVEL, Rev. ent., Caen, **23**, 1904, sp. n.—*M. pomachilioides*, FLEUTIAUX, Paris, Ann. soc. ent., **74**, sp. n.)

(*Monocrepidius brachypterus*, FAUVEL, Rev. ent., Caen, **23**, 1904, sp. n.)

(*Ochosternus pacificus, cribriceps*, FAUVEL, T.c., spp. n.)

(*Silesis vaulogeri*, Du Buysson, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Tropidiplus* gen. n., *T. tellinsi*, FLEUTIAUX, Paris, Bul. soc. ent., **1903**, sp. n.)

CEBRIONIDAE.

Cebrio; LEONI Riv. Col. ital. **4** (268–269).—*C. italiani, C. fiorii* sp. n. Italia (212), LEONI Riv. Col. ital. **4** (181–220).

RHIPIDOCERIDAE.

Sandalus semitestaceus Japan, PIG (1) Exchange **22**, sp. n.

(*Agathorhipis bifissata*, FAUVEL, Rev. ent., Caen, **23**, 1904, sp. n.)

(*Cladotoma bruchii*, Argentine, *russula, maculicollis*, Brésil, FAIRMAIRE, Paris, Bul. soc. ent., **1904**, spp. n.)

(*Pseudolichas nivipictus*, FAIRMAIRE, Mission Pavie, **3**, sp. n.)

DASOILLIDAE.

Allopogonia nom. n. for *Allopogon* Horn, COCKERELL (241) Ent. News **17**.

Aracopidius nom. n. for *Aracopus* Lec., COCKERELL (241) Ent. News **17**.

Eucinetus subrutulus Tunisie, PIG (33) Exchange **22**, sp. n.

Lachnodactyla texana, arizonica, N. America, SCHAEFFER (114) Psyche **13**, spp. n.

Microcara fuegensis (37) pl. i f. 10, BOURGEOIS Résult. Belgica, Zoologie.

Prionocyphon serricornis, early stages, DONISTHORPE (lxxxviii) London Proc. ent. soc. 1906.

Scirtes plagiatus sp. n. Arizona, SCHAEFFER (115) *Psyche* 13.

(*Eubrianax insignis* FAIRMAIRE, Mission Pavie, 3, sp. n.)

(*Hydrocyphon championi*, Sierra de Bejar in Spanien, REITTER, Entomol. Ztg. Wien, 22, 1903, (177), sp. n.)

MALACODERMIDAE.

Aquatic larvae of *Lampyridae*, ANNANDALE Calcutta J. As. Soc. 2 (106).

Anolis ratteri sp. n. Nordtirol, REITTER Entomol. Ztg. Wien 25 (35).

Anthoconus coccineus Schall. = (*rufus* Herbst), BEDEL (92) Paris Bul. Soc. ent. 1906.

Attalus alaiensis Monts Alai, Pío (10) Echange 22, sp. n.—*A. semilimbatus* Yunnan, *petiti* Algérie, Pío (17) T.c., spp. n.—*A. uniformis* = (*heydeni* Ab.), Pío (47) Paris Bull. Soc. entom. 1906.

Balanophorus javanus Java, Pío (57) Echange 22, sp. n.

Belotus latithorax Buenos Ayres, Pío (51) Echange 22, sp. n.

Caeniella nom. n. = *Caenia* Newman, COCKERELL (242) Ent. News 17.

Calochromus graciosus (192), *nigromarginatus* (193), Borneo, BOURGEOIS Paris Ann. Soc. ent. 75, spp. n.

Cantharis indica nom. n. pro *cruralis* Gorb., *loweri* nom. n. pro *decipiens* Low., *levisi* nom. n. pro *dichrous* Lew., *imperator* nom. n. pro *imperialis* Gorb., *gorhami* nom. n. pro *insularis* Gorb., *antillarum* nom. n. pro *lineatus* Gorb., *americana* nom. n. pro *notata* Man., *bohemi* nom. n. pro *emarginatus* Boh., Pío (81) Echange 22.—*C. bilunulata* varr. n. *dibutipes* and *distincticollis*, *cirta* var. n. *batnensis*; *bosnica* Bosnia, *funestula* Thian Schan, spp. n.; *pulicaria* var. n. *curticollis*, *dimidiatipes* subsp. n. *reitteri*, *sublivida* var. n. *mardinensis*, (82), *arisi* Turménie (82), *ciliatocollis* Buchara, *mongolica* Mongolie bor., *baikalica* Sibérie, *rubripennis* Darjeeling, *magnifica* Chine mer., *limbatipennis*, *grouellei* *nigricolor*, Chine,

donckieri, *subnitida*, *guerryi*, Chine mer., (83), *opacipennis* Chine, *staudingeri* Célébes, *veneris* Borneo, *C. (Themus) viridissima* Chine mer., (84), spp. n., Pío T.c.—*C. kirschi* nom. n. pro *alticola* Kirsch; *pyrenaea* nom. n. pro *lineata* Kow., *generosa* nom. n. pro *nobilis* Gorb., *rufithorax* nom. n. pro *ruficollis* Lec., *plurivittata* nom. n. pro *bivittata* Mars., *solieri* nom. n. pro *longicornis* Solier., Pío (89) T.c.—*C. lucida* Buchara, *madegassa* Madagascar, *africana*, *deiliformis*, Afrique or., (89), *unilineata*, *quadrinaculata*, *italiayana*, *gounellei*, *brevis*, Brésil, *nigrosutularis* hab., (90), Pío T.c., spp. n.—*C. akbesiana* Syrie, Pío T.c. (96), ? sp. n.—*C. sicula* sp. n. Sicile, Pío Natural. sicil. 18 (197-198). — *C. (Telephorus) viridivittata* Yunnan, Pío (218) Paris Bull. Soc. ent. 1906, sp. n.—*C. pilsbryi* sp. n. Texas, SKINNER (217) Ent. News 17.—*C. (Telephorus) nitidicollis* Brazil, Pío (283) Naturaliste 1906, sp. n.

Carphurus sumatrensis, *rouyesi*, Sumatra, *ruficeps* Amboine, Pío (57) Echange 22, spp. n.

Celiasis mirabilis Lacord and *Chalcas trabecatus*, note synonymique, BOURGEOIS Paris Bul. soc. ent. 1906 (95-97).

Cerapheles terminatus var. n. *obscuricornis*, Pío (41) Echange 22.

Charopus diversipennis Adana, Pío (41) T.c., sp. n.

Cladophorus satanas Sarawak, BOURGEOIS (186) Paris Ann. Soc. ent. 75, sp. n.

Dasytes laufferi sp. n. Spain (98), SCHILSKY in Küster and Kraatz Käfer Europas 42; *D. incrassatus* Oran sp. n., Id. 43 (10).—*D. palustris* Italia, FIORI (262) Riv. Col. ital. 4, sp. n.—*D. vicinus* (74), *shastensis* (75), California, BLAISDELL Ent. News 17, spp. n.

Diaphanes feai (235), *picinus* (236), Fernando Po, OLIVIER Genova Ann. Mus. 42, spp. n.

Dictyophorus rubens Gyll., GOLLER Insektenbörse 23 (104).

Dilophotes shelfordi Sarawak, BOURGEOIS (194) Paris Ann. Soc. ent. 75, sp. n.

Dinometopus albonotalus, *donckieri*, Port Elizabeth, Pío (2) Echange 22, spp. n.

Discodon moissinaci Sumatra, Pico (84) Echange 22, sp. n.—*D. albonotatum* Brésil, D. ? *surinamensis* Guyane, Pico (90) T.c., sp. n.—*D. rouyeri* Sumatra, *brevilineatum* Argentina, *baeri* Peru, *annulipes* Brazil, Pico (283) Naturaliste 1906, spp. n.

Donaldia minuta Ile Bourbon, Pico (11) Echange 22, sp. n.

Drilus flavescens larva, habits, BAYFORD (267, 268) Ent. Mag. London 42.

Eulobonyx arisi Turkestan (11), *haemorrhoidalis* Kashmir (12), SCHILSKY Küster Käf. Eur. 43, spp. n.

Haplocnemus serrulatus Spain (100), *similis* Anatolia (99), spp. n., SCHILSKY T.c.—*H. hebraicus* Palestine sp. n., Id. T.c. 43 (13).

Icthyurus acanthopus (219), *pallidipennis* (222), *humilis* (225), *arrowii* (227), *forcipiger* (229), *confusus* (231), Africa, GESTRO Genova Ann. Mus. 42, spp. n.—*I. pusillus* Ceylan (273), *pulchellus* Birmania (274), *parvulus* Nilghiri (275), *minutulus* Liou-Kiou (276), *concinus* Malacca (278), *picticollis* Ceylan (279), *biplagiatus* Tenasserim (281), *insignis* Mysore (285), *validus* Nilghiri (286), *crassepunctatus* Assam (288), *maculipes* Birmania (291), *lineipes* Manipur (292), *platyurus* (295), *dilutus* (297), Birmania, *distans* Malacca (299), *tricolor* Giava (301), GESTRO T.c., spp. n.—*I. picticauda*, *opacus*, spp. n., Tonkin, GESTRO Leiden Notes Mus. Jentink 26 (235–238).

Idgia cineta, *bourgeoisii*, (42), *maculicollis*, *pallidicolor*, *rouyeri*, (43), Java et Sumatra, spp. n., *metallescens* Friv. varr. n. *sumatrensis* et *semilimbata* (43), Pico Echange 22.—*I. nigricollis* Sierra Leone (43), *cyanca* Yoruba (44), Pico T.c., spp. n.—*I. viridipennis* sp. n., (? *viridescens* var.) "Indes," Pico (55) T.c.—*I. haemorrhoidalis* Yunnan, Pico (217) Paris Bull. Soc. ent. 1906, sp. n.

Laius latipennis Afrique or., Pico (21) Bull. Mus. Paris 12, sp. n.—*L. javanus* Java, Pico (61) Paris Bul. Soc. Zool. 31, sp. n.

Lampyris noctiluca ♀, Zucht, MEISSNER, Insektenbörse Leipzig 23 (181–182).

Lobetus peruvianus, *brevipennis*, *inapicalis*, Pérou, Pico (51) Echange 22, spp. n.—*L. guadelupensis* Guadeloupe,

Pico (57) T.c., sp. n.—*L. grandis* Peru, Pico (175) Naturaliste 1906, sp. n.

Lucidota taciturna, *proscripta*, Colombia, OLIVIER Paris Bul. soc. ent. 1906 (108–109), spp. n.

Luciola nigrita Nairobi, OLIVIER (508) Bul. Mus. Paris 1906, sp. n.

Lycus (Lopholyceus) bozasi (193), *L. inamplexus* (194), *curtirostris* (195), Afrique, BOURGEOIS Bull. Mus. Paris 12, spp. n.

Lygistopterus sanguineus pupa, Mjöberg (15) pl. i f. 7 Uppsala Arkiv. Zool. 3 No. 6.

Malachius cardinalis Bucharra, Pico (49) Echange 22, sp. n.

Malthinus; de France, Pico Echange Moulins 22 1906 (16, 22–24, 30–32).—*M. incrassicornis* var. n. *diversicollis*, Pico (17) Echange 22.

Malthodes (Maltharus) ganglbaueri Parma (4–6), *latialis* Monti Iaziali (13–15); *baudii* Sicilia (21–23), FIORI Riv. Col. ital. 4, spp. n.—*M. (Podistrella) serbotae* sp. n. Siebenbürgen, PETRI Entomol. Ztg. Wien 25 (224).—*M. subcarinatus* "Indes," Pico (17) Echange 22, sp. n.

Maronius pulcher, Pérou, *limbatus* Argentine, (9), *monstrosicornis*, *amazonicus*, Amazonie, *brasiliensis* Caraca, Pico Echange 22, spp. n.—*M. batesi* Ega, Pico (35) T.c., sp. n.—*M. obscurus*, *impressipennis*, *baeri*, *testaceiceps*, *gounellei*, *maculiceps*, *staudingeri*, *annulicornis*, Amérique mer., Pico (52) T.c., spp. n.

Melampyrus shelfordi Sarawak, BOURGEOIS (192) Paris Ann. Soc. ent. 75, sp. n.

Phaenopterus graccus var. n. *rufithorax*, Pico (9) Echange 22.

Plectonotum laterale, *gounellei*, *brasiliense*, Brésil, Pico (90) Echange 22, spp. n.

Podabrus alpinus var. n. *apicalis*, (*Anolisus*) *abdominalis* sp. n. Indes, Pico (81) T.c.—*P. punctatipennis* Ecuador, Pico (282) Naturaliste 1906, sp. n.

Pseudopodabrus gen. n., *impressiceps* sp. n. Tonkin, Pico (81) Echange 22.

Rhagonycha beaujei nom. n. pro *latiuscula* Bourg. (81), *R. (Absidia) multistriata* Sikkim, *tonkinea* Tonkin

spp. n. (82), Pío T.c.—*R. (Absidia) latiuscule* Oran, BOURGEOIS Paris Bul. Soc. ent. **1906**, **sp. n.**—*R. transbaikalica* Transbaikal, Pío (89) T.c., **sp. n.**

Silis africana Dahomey, *benuensis* Benue, Pío T.c. (88), **spp. n.**—*S. obscuricolor* Brésil, *obscurissima*, *donckieri*, *sinensis*, Chine, *flabellicornis* Sumatra, (84), *discoidalis* Java (85), Pío T.c., **spp. n.**—*S. monstrosicornis* Borneo, *major* Pérou, *fruhstorferi* Sikkim, *argentina* Argentine, *maculata* Brésil, *rouyeri* Sumatra, *laticeps*, *griseus*, Brésil, (91), *guyanensis* Cayenne, *obscuripes*, *gounellei*, *fasciata*, *distincta*, *brevinotata*, *lata*, *scutellaris*, Brésil, (92), *peruviana* Pérou, *bilineata* Brésil, (93), Pío T.c., **spp. n.**—*S. carinaticeps* Tonkin, *latipennis* Brazil, Pío (282) Naturaliste 1906, **spp. n.**

Trichalus shelfordi Sarawak, BOURGEOIS (190), Paris Ann. Soc. ent. **75**, **sp. n.**

Trypherus placatipennis Pérou, *elongatus* Brésil, Pío (44) Echange **22** **spp. n.**

Tylocerus distinctipennis Sumatra, Pío (91) T.c., **sp. n.**

Xamerpus maindroni Inde, Pío (8) T.c., **sp. n.**

Xylobanus senescens Sarawak, BOURGEOIS (188) Paris Ann. Soc. ent. **75**, **sp. n.**

Zygia pallidiventris Afrique or., Pío (1) Echange **22**, **sp. n.**

The following Malacodermidæ have been previously recorded in the Zoological Record:—

(*Calopteron variegatum* Kirsch, *flavofasciatum*, *torquatum* Er., *albofasciatum*, *melanozanthum* Kirsch, *geayianum*, varr. n., BOURGEOIS Paris, Ann. Soc. ent., **74**.)

(*Colotes uncifer*, Algérie, ABAILLE DE PERRIN, Paris, Bul. Soc. ent., sp. n., **1903**.)

(*Cyrtopteron* gen. n. (*Calopteron* p. part), BOURGEOIS, Paris, Ann. Soc. ent., **74**.)

(*Drilus* ? *kandyanus*, BOURGEOIS, Paris, Ann. soc. ent., **72**, sp. n.)

(*Eugensis* BOURGEOIS, Paris, Ann. soc. ent., **72**.)

(*Idgia puncticollis* BOURGEOIS, T.c. **sp. n.**)

(*Idiopteron* gen. n. (*Calopteron* p. part), BOURGEOIS, Paris, Ann. soc. ent., **74**.)

(*Laius plagiatus*, *variolosus*, *miles* BOURGEOIS, T.c. spp. n.)

(*Luciola horni*, *antennalis*, BOURGEOIS, T.c. **spp. n.**)

(*Lycus (Lycostomus) vaucheri*, BOURGEOIS, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Macrolampis omissus*, *elapsus*, *roberti*, *frater*, *distingendus*, *transversenotatus*, *agonus*, *meditabundus*, *cylindrus*, OLIVIER, Paris, Ann. soc. ent., (311), spp. n.)

(*Malachius arctelimbatus*, *japonicus*, spp. n., Pío, Paris, Bul. soc. ent., **1904**.)

(*Malchinus branesiki*, Dalmatien, REITTER, Entomol. Ztg., Wien, **22**, 1903, (232), **sp. n.**)

(*Malthodes (Malthodellus) decorus*, BOURGEOIS, Paris, Bul. Soc. ent., **1903**, (336-337), sp. n. — *M. (Malthinellus) messenius* Messina, (*Podistrina*) *ragusae* Sicilia, FIORI, Naturalista sicil., Palermo, **17**, 1904, (74-76), spp. n. — *M. silvicola*, France, BOURGEOIS, Paris, Bul. Soc. ent., **1903**, (247-248, a. fig.), sp. n. — *M. gavoyi*, BOURGEOIS, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Mesopteron* gen. n. (*Calopteron* p. part) *riveti* sp. n., BOURGEOIS, Paris, Ann. soc. ent., **74**.)

(*Metapteron* gen. n. (*Calopteron* p. part), BOURGEOIS, T.c.)

(*Rhagonycha (Absidia) vaulogeri*, Algérie, BOURGEOIS, Paris Bul. soc. ent., **1905**, sp. n.)

(*Selasia maindroni*, BOURGEOIS, Paris Ann. soc. ent., **72**, sp. n. — *S. (Euptilia) horni*, Ceylan, BOURGEOIS, Op. cit., sp. n.)

(*Silis maindroni*, BOURGEOIS, Paris, Ann. soc. ent., **72**, sp. n. — *S. ceylonica*, Ceylan, BOURGEOIS, Op. cit. **74**, sp. n.)

(*Sphingopalpus martini*, Pío, Paris, Bul. soc. ent., **1904**, (12-13), sp. n.)

(*Tylocerus apicalis*, BOURGEOIS, Paris, Ann. soc. ent., **72**, sp. n.)

(*Zelotypus horni*, Ceylon, BOURGEOIS, Op. cit. **74**, sp. n.)

(*Zygia alluandi*, Pío, Paris, Bul. soc. ent., **1905**, sp. n.)

CLERIDAE.

Cleriden des Deutschen Entomologischen National-Museums, SCHENKLING D. ent. Zs. Berlin (241-320) pl. ii.

Anthicoclerus **gen. n.**, *anthicoides* Westw., SCHENKLING (264) T.c.

Aroterus **nom. n.** for *Aroteres* Fairm., SCHENKLING (252) T.c.

Azina nigrifrons Puerto Cabello (253) pl. ii f. 4, *A. (Ctenaxina) subgen. n.* *brunnea* Peru (254), **spp. n.**, SCHENKLING T.c.

Cephaloclerus annulipes E. Africa **sp. n.**, SCHENKLING (300) T.c.

Clerus aestivus Brazil (274), *coccineus* Mexico (272) pl. ii f. 7, *militaris* Brazil (272), *pusio* Peru (276), *suturalis* Brazil (277), *tomentosus* S. America (275), **spp. n.**, SCHENKLING T.c.

Cleronomus amoenus **sp. n.** Colombia, SCHENKLING (263) pl. ii f. 5 T.c.

Colyphus melanopterus **sp. n.** Cincinnati, DURY Cincinnati Ohio J. Soc. 20 (251-256).

Ctenaxina **subg. n.** cf. *Azina*.

Cylidrus; table of species, SCHENKLING (243) D. ent. Zs. Berlin 1906.

Cymatodera delicatula Lower California (113), *decipiens*, *umbrina*, California, (114), FALL Canad. Entomol. 38, **spp. n.**

Dasyrocclus suturalis Sumatra **sp. n.**, SCHENKLING (291) D. ent. Zs. Berlin 1906.

Diplophorus pulcher **sp. n.** Africa, SCHENKLING (247) T.c.

Epiphlocus vitticollis Amazons **sp. n.**, SCHENKLING (299) T.c.

Evenus fasciicollis Madagascar **sp. n.**, SCHENKLING (299) pl. ii f. 11 T.c.

Graptoclerus, taxonomy and composition, SCHENKLING (270) T.c.

Hendecatus **gen. n.**, *subnotatus* Westw., etc., SCHENKLING (246) T.c.

Hydnocera plagifera California (115), *cyanitincta* New Mexico, *cribripennis* Texas, (116), *affiliata* California, *sobrina* Arizona, (117), FALL Canad. Entomol. 38, **spp. n.**

Ichnea (Pseudichnea) varicollis Brazil **sp. n.**, SCHENKLING (310) D. ent. Zs. Berlin 1906.

Lemiidea albolineata (302), *bicolor* (301), *circumcincta* (302), *pusilla* (303), **spp. n.**, Australia, SCHENKLING T.c.

Natalis leai and *Opilo floccosus* distinguished, BLACKBURN (322) Adelaide S. Aust. Trans. R. Soc. 30.

Necrobia ruficollis, habits of larva, TASCHENBERG Zs. wiss. Insektenbiol. 2 (13-17).

Neoclerus tuberculatus Ceylon **sp. n.**, SCHENKLING (278) D. ent. Zs. Berlin 1906.

Neogyponyx **gen. n.**, *punctipennis* Germ., SCHENKLING (266) T.c.

Neotenerus **gen. n.** near *Pelonium*, *tuberculatus* **sp. n.** Paraguay, SCHENKLING (309) T.c.

Ommadius longulus Borneo (295), *muscosus* Sumatra (296), *omissus* Celebes (295) pl. ii f. 10, **spp. n.**, SCHENKLING T.c.

Opetiopalpus tunisicus Tunisie, PRO (26) Echange 22, **sp. n.**

Opilo desertorum Sahara, LESNE (388) Bul. Mus. Paris 1905, **sp. n.**—*O. rugulicollis*, *unistriatus*, India, **spp. n.**, SCHENKLING (260) D. ent. Zs. Berlin 1906.

Orthrius andamanensis Andaman Islds. (268), *cruciger* Queensland (269), *haemorrhoidalis* Ceylon (268) pl. ii f. 8, *monticola* Borneo, *octopunctatus* Sumatra, (267), *tibialis* Assam (268), **spp. n.**, SCHENKLING T.c.

Pelonium australicum Sydney (223) pl. xviii f. 7, LEA Sydney N.S.W. Proc. Linn. Soc. 31, **sp. n.**—*P. erythromantoides* Brazil (313), *lateripunctatum* Colombia (314), *quadrioveolatum* Brazil (313), *vittipenne* Argentina (316), **spp. n.**, SCHENKLING D. ent. Zs. Berlin 1906.

Phaeocyclotomus centurio Sumatra **sp. n.**, SCHENKLING (293) T.c.

Phloeocopus plumbeus Madagascar (259), *togonis* Africa (258), **spp. n.**, SCHENKLING T.c.

Phlogistus blackburni Australia, **sp. n.**, SCHENKLING (279) T.c.

Priocera equestris, *gracilis*, (257), *longula* (256), Brazil, *salamandra* Mexico (255), **spp. n.**, SCHENKLING T.c.

Pyticera flavicollis var. *n. suturalis*, SCHENKLING (311) T.c.

Stenocylidrus undatus Coq., SCHENKLING (250) T.c.

Stigmatium scitum Sumatra sp. n., SCHENKLING (289) pl. ii f. 8 T.c.

Tenerus curticolis Nepal (305) pl. ii f. 12, *gorhami* Morty, *hirsutus* Sumatra, (306), *occidentalis* San Thomé (307), spp. n., SCHENKLING T.c.

Thaneroclerus elongatus Yunnan, sp. n., SCHENKLING (278) T.c.

Tillus raulozeri Tunisie, Pico (25) Echange 22, sp. n.

Trichodes herbianus Asia Minor, GÄNGLBAUER (274) Wien Ann. Hofmus. 20, sp. n.?

(*Clerus bimaculatus*, Arizona, SKINNER, Ent. News, 16, 1905, (289-292), sp. n.)

(*Cymatodera tricolor*, Arizona, SKINNER, T.c. (289-292), sp. n.)

(*Omasdius diversicollis* sp. n., FAUVEL, Rev. ent. Caen, 23, 1904, sp. n.)

LYMEXYLONIDAE.

Hyleocetus and *Lymexylon* larvae, REISEWITZ.

(*Atractocerus horni*, Ceylon, BOURGEOIS, Paris, Ann. soc. ent., 74, sp. n.)

PTINIDAE.

Anobium panicum, foods, BUSIGNY (46) Naturaliste 1906.

Caenocara oculata, habits, HOUGHTON Ent. News 17 (114-115).

Eudipnus auronitens sp. n. Italia, AMORE Natural. sicil. 18 (198-200).

Eupactus dufau Guadeloupe, Pico (22) Echange 22, sp. n.

Hedobia magnifica Reitt. var. *tauricola* var. n., Pico (228) Paris Bull. Soc. ent. 1906.

Hexaplocotes, gen. n. near *Diplocotes*, *sulcifrons* sp. n. W. Australia pl. xviii f. 8, LEA (224) Sydney N.S.W. Proc. Linn. Soc. 31.

Niptus hololeucus, life history, MjöBERG (11) Uppsala Arkiv. Zool. 3 No. 6; natural history, MjöBERG (65-68) Uppsala Ent. Tidskr. 27.—*N. crenatus* vide *Pinus fur*.

Pinus donceeli Mendoza sp. n., *natalensis* nom. n. pro *elegans* Pering. 1904, Pico (227) Paris Bull. Soc. ent. 1906.—*P. dufau* Guadeloupe, Pico (21)

Echange 22, sp. n.—*P. fur*, raptor, *Niptus crenatus*, Schädigung von Mehlvorräthen; verzögerte Entwicklung bei anormalen Verhältnissen, SEVYREV St. Petersburg Hor. Soc. Ent. Ross. 37 (cxvii-cxix).—*P. moroderi* Spanien (281), *bescidicus* Oesterreich (282), *dauricus* Irkutsk etc., *gylippus* Attica, (283), *iraneticus* Kaukasus (284), spp. n., REITTER Entomol. Ztg. Wien 25 (281).

Stagetus Woll. = (*Theca* Aubé), BEDEL (92) Paris Bull. Soc. ent. 1906.

Trichodesma japonica Kioto, Pico (2) Echange 22, sp. n.

Trigonogenius globulus Sol., introduced in Tasmania and W. Australia, LEA Sydney N.S.W. Proc. Linn. Soc. 31 (224).

Xyletinus sanguinocinctus var. n. *disconiger*, Pico (3) Echange 22.

(*Dorcatoma lomnickii*, Litthauen, REITTER, Entomol. Ztg., Wien, 22, 1903, (239), sp. n.—*D. lunatum*, FAUVEL, Rev. ent. Caen, 23, 1904, sp. n.)

(*Leptotheca* gen. n. (nomen preoccup. *Myxosporidia*), *laticornis* sp. n., FAUVEL, T.c.)

(*Petalium fauveli*, *alluaudi*, *longipenne*, FAUVEL, T.c., spp. n.)

(*Theca figurata*, *semirufa*, FAUVEL, T.c., spp. n.)

BOSTRYCHIDAE.

Revision des Bostrychides. 5^e partie. *Sinoxylinae*. LESNE Paris Ann. soc. ent. 75 1906 (445-561).

Bostrychopsis cristaticeps Socotra, LESNE (403) T.c., sp. n.

Bostrychus Müller; LESNE (249) Abeille 30.

Calodectes gen. n. *Sinoxylinae* (453), *laniger* sp. n. Cape Town (454), LESNE Paris Ann. soc. ent. 75.

Calodrypta gen. n. *Sinoxylinae*, *exarmata* sp. n. Durban, LESNE (455) T.c.

Calopertha gen. n. *Sinoxylinae* (456), *costatipennis* Abyssinie (458), *kalaharensis* Afrique Sud-Ouest (459), spp. n., LESNE T.c.

Calophorus gen. n. voisin de *Micrapate* (404), *coriaceus* sp. n. Australie (405), LESNE T.c.

Dinoderopsis gen. n. voisin de *Prostephanus* (400), *escharipora* sp. n. Socotra (401), LESNE T.c.

Dinoderus ocellaris Steph. = (*pilifrons* Lesne), LESNE (249) Abeille 30.—*D. pilifrons* and *minutus*, destructive habit, STEBBING Ind. For. 32 (534) and (219-223) Bombay J. Nat. Hist. Soc. 17.—*D. ochraceipennis* Tenasserim, LESNE (399) Paris Ann. soc. ent. 75, sp. n.

Heterarthron jamaicensis Jamaïque (397), *caribaeum* Guadeloupe and Trinidad (399), LESNE T.c., spp. n.

Micrapate bicostula Rio Janeiro (406), *pupulus* Amazone (407), *paterala* Tchad, *neglecta* Sierra Leone (409), spp. n., LESNE T.c.—*M. unguiculata* (273), *guatemalensis* (274), *foraminata* (275), *labialis* (278), *sericeicollis* (279), Amérique centrale, LESNE Abeille 30, spp. n.—*M. wagneri* Argentine, LESNE (12) Bull. Mus. Paris 12, sp. n.

Phonapate discreta Afrique occ., LESNE (415) Genova Ann. Mus. 42, sp. n.

Psoa (Acrepis) sexguttata Malaisie ou Mexique?, LESNE (393) Paris Ann. soc. ent. 75, sp. n.

Scobicia: habits, LESNE (251) Abeille 30.

Sinocalon gen. n. *Sinoxylinae* (417), *reticulatum* (451), *pilosulum* (452), spp. n., Argentine, LESNE Paris Ann. Soc. ent. 75.

Sinoxylon anale = (*geminatum* Schilsky), LESNE (249) Abeille 30.—*S. bufo* Borneo (482), *pachyodon* Birmanie (486), *divaricatum* Pays Somali (495), *epipleurale* Nyassa (496), *bellicosum* Graham Town (497), *crasicauda* Tanganyika (502), *angolense* Angola (507), *cuneolus* Transvaal (508), *dichroum* Birmanie (508), *pubens* Inde (511), *birmanum* Birmanie (540), *flaberrarius* Tonkin etc. (543), *cucumella* Himalaya (544), spp. n.; *S. crassum* dekkhanense subsp. n. (538), *atratum* kohliarianum subsp. n. (540), *transvaalense* spathiferum (533), *tr. verrugerum* (534), subsp. n., *senegalense* var. n. *vermiculatum* (501), LESNE Paris Ann. Soc. ent. 75.—*S. ruficornae* guineense subsp. n. (413), *abruptum* Guinée portugaise sp. n. (414), LESNE Genova Ann. Mus. 42.—*S. sexdentatum*, natural history, BARBEY Feuille jeunes natural. Paris 36 (93-97).

Xylionulus epigrus Zambéze, LESNE (409) Paris Ann. Soc. ent. 75, sp. n.

Xylobosca decisa Australia (190), *geometrica* Roebuck bay (192), LESNE Bull. Mus. Paris 12, spp. n.—*X. spinifrons* (415), *cuspidata* (416), *capitosa* (417), *vicaria* (418), Australie, LESNE Paris Ann. Soc. ent. 75, sp. n.

Xyloperthodes gen. n. *Sinoxylinae* (545), *hova* (552), *clavula* (553), *incertus* (554), *evops* (556), *nasifer* (557), *granulatus* (558), *orthogonius*, *discedens*, (559), Afrique occ., LESNE T.c., spp. n.

Xylophorus, gen. n. auprès des: *Enneadesmus* (419), *abnormis* n. sp. Ceylon (420), LESNE T.c.

Xylopsocus ritsemai Java (422), *acutespinosus* Birmanie (424), *ensifer* Tenasserim (425), LESNE T.c., spp. n.

(*Enneadesmus sculptifrons*, LESNE, Paris, Bul. soc. ent., 1905, sp. n.)

(*Lyctus punctipennis*, FAUVEL, Rev. ent. Caen, 23, 1904, sp. n.)

(*Sinoxylon doliolium cafrum*, LESNE, Paris, Bull. soc. ent., 1905, spp. n.)

CICIDAE.

(*Cis notatus*, *litteratus*, *bisculatus*, *cribellus*, *porcellus*, *micrus*, FAUVEL, Rev. ent. Caen, 23, 1904, spp. n.—*Cis zoufali*, Bosnien, REITTER, Entomol. Ztg. Wien, 21, 1902, (1-9, mit 1 Taf.), sp. n.)

(*Ennearthron nigricans*, FAUVEL, T.c. sp. n.)

TENEBRIONIDÆ.

Die von Fabricius beschriebenen Typen von *Tenebrioniden* in den Museen von Kopenhagen und Kiel. GEBIEN D. ent. Zs. Berlin 1906 (209-237).

Achthosus brunneus (251), *minutus* (252), N. S. Wales, CARTER Sydney N.S.W. Proc. Linn. Soc. 31, spp. n.

Adelium coeruleum (255), *nitidum* (256), *punctum* (257) pl. xx f. 3, Australia, CARTER T.c., spp. n.—*Adelium* cf. *Brycopia*.

Adelphinus ordubadensis var. n. *fulvipennis* Kaukasus, REITTER Entomol. Ztg. Wien 25 (242).

Adesmia anatolica Asia minor, GANGLBAUER (275) Wien Ann. Hofmus. 20, sp. n.

Allophylax **nom. n.** au lieu de *Neophylax* Bed. infra; BEDEL (178) Paris Bul. Soc. ent. 1906.

Alphasida lazaroï Motril, ESCALERA (235) Madrid Bol. Soc. espan. 6, **sp. n.**

Alphitobius piceus, diaperinus synonymy, BEDEL (92) Paris Bull. Soc. ent. 1906.

Amarygmus splendidulus Fabr., GEBIEN (226) D. ent. Zs. Berlin 1906.

Anemia subterranea Fabr. = (*suilla* Fairm.), GEBIEN (217) T.c.

Asida; variation of Spanish (381); *bolivari* (382), *lopezi* (383) with var *depilata*, Spain, **spp. n.**, ESCALERA Madrid Bol. Soc. esp. Hist.-Nat. 6.—*A. reitteri* **nom. n.** for *convexicollis* Alld., GEBIEN (248) Entomol. Ztg. Wien 25.—*A. sabulosa* = (*obesa* All.), BEDEL (92) Paris Bull. Soc. ent. 1906.

Asididius convexicollis Madagascar, FAIRMAIRE (275) Paris Bull. Mus. Paris 12, **sp. n.**

Blaps sp., Lebensweise, FAUSSEK St. Petersburg Zap. Russ. Geogr. Obsc. 27 (1 + 1—192 + 1) 4 Taf.

Brycopia taylori N.S. Wales (258) pl. xx. f. 6, CARTER Sydney N.S.W. Proc. Linn. Soc. 31, **sp. n.**—*Adelium minor* and *globulosum* to *Brycopia*, Id. T.c. (259).

Byrsax cornutus synonymy, GEBIEN (218) D. ent. Zs. Berlin 1906.

Caedimorpha heteromerus, King (as *Morychus*) = (*australis* Blackb.), LEA (226) Sydney N.S.W. Proc. Linn. Soc. 31.

Caenoblaps **gen. n.** *Blaptini* (24), *difformis* Kaukasus **sp. n.** (25), KOENIG Entomol. Ztg. Wien 1906.

Caenocorse Thoms. = (*Palorus* Duv.), BEDEL (92) Paris Bull. Soc. ent. 1906.

Camaria aenea Fabr., GEBIEN (222) D. ent. Zs. Berlin 1906.—*C. dolorosa* Madagascar, FAIRMAIRE (273) Bull. Mus. Paris 12, **sp. n.**

Cardiothorax; revised (236–240), *angusticollis* (240) pl. xx f. 8, *aureus* (241) f. 1, *australis* (242), *batesi* (243) f. 2, *lachlanensis* (244), *punctostriatus* (246), *pygmaeus* (247) f. 9, *rugosus* (248), *coeruleo-niger* (250), Australia, CARTER Sydney N.S.W. Proc. Linn. Soc. 31, **spp. n.**

Catomus obsoletus var. **n.** *semi-obscura*, PIO (41) Echange 22.

Chalcostylus striolatus Madagascar, FAIRMAIRE (274) Bull. Mus. Paris 12, **sp. n.**

Cleleus **gen. n.** voisin des *Luarezius* (274), *marginicollis* **sp. n.** Madagascar (275), FAIRMAIRE T.c.

Cnemodinus **nom. n.** = *Cnemodus* Horn, COOKERELL (242) Ent. News 17.

Corticeus suberis Luc. = (*rufulus* Ros.), BEDEL (92) Paris Bull. Soc. ent. 1906.

Crypticus pentheri Asia Minor, GANGLBAUER (278) Wien Ann. Hofmus. 20, **sp. n.**

Cyrtostoma ? *nitidula* Fabr., GEBIEN (223) D. ent. Zs. Berlin 1906.

Daedrosis hirsuta Australia, CARTER (254) pl. xx. f. 14 Sydney N.S.W. Proc. Linn. Soc. 31, **sp. n.**

Dendarus Lap. = (*Pendarus* Muls. = *Phylax* Br.), BEDEL (92) Paris Bull. Soc. ent. 1906.

Dichillus inhumeralis Turkestan, PIO (18) Echange 22, **sp. n.**

Eschatoporis **gen. n.** near *Eulabis* (76), *nunenmacheri* **sp. n.** California (77), BLAISDELL Ent. News 17.

Eupsophulus **nom. n.** for *Eupsophus* Horn, COOKERELL (242) Ent. News 17.

Eurynotus capensis Fabr. = (*muricatus* Kirb.), GEBIEN (211) D. ent. Zs. Berlin 1906.—*E. granulatus* Fabr. = (*norrisi* Muls.), GEBIEN (230) T.c.

Globasida schrammi Murcia, ESCALERA (193) Madrid Bol. Soc. espan. 6, **sp. n.**

Gonocephalum simplex Fabr. = (*aequale* Er., *micans* Germ., *segne* Thoms.), *G. crenatum* Fabr. to *Scleropatum*, *G. oblongum* Fabr. = (*elongatum* Guér.), GEBIEN (213–215) D. ent. Zs. Berlin 1906.

Gonocnemis sericeus Fabr. = *Synopticas dapsoides* Fairm., GEBIEN (225) T.c.

Heliocaës **nom. n.** for *Heliopates* Muls., BEDEL (92) Paris Bull. soc. ent. 1906.

Heliopathes, Begründung des Namens, HEYDEN Entomol. Ztg. Wien 25 (135–136).

Helophilus Latr. subgen. *Pedinus* Latr. divisions and their nomenclature, SEIDLITZ Entomol. Ztg. Wien **25** (289).

Helops liliputanus (375), *tomentosus* (376), Spain, REITTER Bol. Soc. esp. Hist. Nat. **6**, spp. n.—*H. pentheri* Asia Minor, GANGLBAUER (278) Wien Ann. Hofmus. **20**, sp. n.—*H. (Stenomax) steindachneri* sp. n. Albanien, APFELBECK Wien SitzBer. Ak. Wiss. **115** Abt. I (1671).

Hydromedion nitidum S. Georgia (9), pl. I f. 3, larva (10) f. 4, Mjöberg Uppsala Arkiv. Zool. **3** No. 13, sp. n.

Hypophloeus unicolor var. n. *pseudocastaneus* Oesterr. Occupationsgebiet & Attica, REITTER Entomol. Ztg. Wien **25** (242).

Idatius gen. n. voisin di *Nesogena* (276), *ophthalmicus* sp. n. Madagascar (277), FAIRMAIRE Bull. Mus. Paris **12**.

Kokeniella gen. n. *Tentyrini* (41), *mesostenoides* Salt Range sp. n. (42), REITTER Entomol. Ztg. Wien **25**.

Laena gebieni with var. n. *kaschmirensis*, *nigritissima*, *rosti*, Kaschmir, *hauseri*, *alaiensis*, *edda*, Turkestan, *osmanlis* Turkei, *pilosissima* Bukarest, spp. n., REITTER D. ent. Zs. **1906** (442-448).

Lepispilus styggianus and *sulcicollis* distinguished, CARTER (258) Sydney N.S.W. Proc. Linn. Soc. **31**.

Lichenum canaliculatum Fabr., GEBIEN (216) D. ent. Zs. Berlin 1906.

Liodema maculatum Fabr., GEBIEN (219) T.c.

Lobothorax (Discolus) viberti sp. n. Algier, REITTER Entomol. Ztg. Wien **25** (240).

Neophylax nom. n. for *Phylax* Muls., BEDEL (92) Paris Bull. Soc. ent. **1906**, cf. *Allophylax*.

Nesogena cyanipennis (277), *obscurivirens* (278), Madagascar, FAIRMAIRE Bull. Mus. Paris **12**, sp. n.

Nyctelia circumundata Patagonie, LESNE (15) Bull. Mus. Paris **12**, sp. n.—*N. longeplicata* f. 12, *bremei* f. 11, FAIRMAIRE (41) pl. i Résult. Belgica, Zoologie.

Nyctobates punctulatus Fabr. (? = *Milaris attenuatocollis* Motsch., GEBIEN (230) D. ent. Zs. Berlin 1906.

Oeatus excavatus Fabr., GEBIEN (221) T.c.

Ogcosoma canaliculata Fabr. = (*guineense* Haag), GEBIEN (211) T.c.

Opatrum poreatum Fabr. synonymy, GEBIEN (212, 213) T.c.

Otrintus striatus N. S. Wales, CARTER (253) pl. xx f. 4, Sydney N.S.W. Proc. Linn. Soc. **31**, sp. n.

Pachychile (Lophoma) punctata F., Vorkommen in Andalusien, REITTER Entomol. Ztg. Wien **25**, (140).

Perimylops antarcticus, larva, Mjöberg Uppsala Arkiv. Zool. **3** No. 13 (12) pl. i f. 5.

Phaeogala serricornis (280), *fulvipennis* (281), Madagascar, FAIRMAIRE Bull. Mus. Paris **12**, spp. n.

Phaleria cadaverina, synonymy, GEBIEN (217) D. ent. Zs. Berlin 1906.

Phylan Steph. = (*Olocrates* Muls. = *Heliopales* Redt.), BEDEL (92) Paris Bull. Soc. ent. **1906**.

Pilobalia alboscipula Pérou, FAIRMAIRE Paris Ann. Soc. ent. **72** (461-468), sp. n. (Omitted from 1903 Record).

Pimelia crenata Fabr. = (*grandicollis* Kr.), GEBIEN (211) D. ent. Zs. Berlin 1906.—*P. (Gedeon) werneri* Asia Minor, GANGLBAUER (277) Wien Ann. Hofmus. **20**, sp. n.

Reitterella turkestanica Turkestan, Pio (33) Echange **22**, sp. n.

Rhytinota kokeni sp. n. Salt Range, REITTER Entomol. Ztg. Wien **25** (42).

Scleron ferrugineum Fabr. = (*denticolle* Fairm. = *discicolle* Reitt.), GEBIEN (217) D. ent. Zs. Berlin 1906.

Scleropatrum strigatum Fabr., GEBIEN (215) T.c.

Setenis impressa Fabr., GEBIEN (231) T.c.

Sphaerocaulus echidna Madagascar, FAIRMAIRE (276) Bull. Mus. Paris **12**, sp. n.

Sphenothorax gen. n. for *Tenebrio nitidulus* Fabr., GEBIEN (232) D. ent. Zs. Berlin 1906.

Sternodes caspius, Lebensweise, FAUSSEK St. Peterburg Zap. Russ. Geogr. Obsč. 27 (1 + 1-192 + 1) 4 Taf.

Strongylium fusco-aenescens Madagascar, FAIRMAIRE (276) Bull. Mus. Paris 12, sp. n.

Sulpis gen. n., voisin des *Clitobius*, *punctostriatus* sp. n. Madagascar, FAIRMAIRE (273) T.c.

Sympiezocnemis gigantea, Beibildung u. Lebensweise, FAUSSEK St. Peterburg Zap. Russ. Geogr. Obsč. 27 (1 + 1-192 + 1).

Tarpela bicolor Fabr., GEBIEN (224) D. ent. Zs. Berlin 1906.

Tentyria calabrica sp. n., REITTER Entomol. Ztg. Wien 25 (130).—*T. orbiculata*, *haagi*, *aegyptiaca*, synonymical note, GEBIEN (230) D. ent. Zs. Berlin 1906.

Thisias apicenotatus sp. n. Brésil, *marmoratus* Champ. var. n. *subelongata*, Pto (36) Echange 22.

Trachyseelis nigra Sydney pl. xx f. 11, CARTER (251) Sydney N.S.W. Proc. Linn. Soc. 31, sp. n.

The following Tenebrionidae have been recorded in previous issues of the Zoological Record.

(*Adelium pustulosum*, *austrocaledonicum*, FAUVEL, Rev. ent., Caen, 23, 1904, spp. n.—*A. helmsi* Macleay River, *reticulatum*, Kurrajong, *violaceum*, Tweed River, *minor*, Ourimbah, *globulosum*, Kurrajong, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., 30, (181-184), spp. n.)

(*Akis spinosa* L. *ragusae* var. n., REITTER, Naturalista sicil., Palermo, 17, 1904, (97).)

(*Arrhenoplita ensifera*, FAUVEL, Rev. ent. Caen., 23, 1904, sp. n.)

(*Asidelia* n. gen., *contracta* sp. n., FAIRMAIRE, Paris, Ann. soc. ent., 74.)

(*Bolitotherus cordicollis*, *cancroïdes*, FAUVEL, Rev. ent. Caen, 23, 1904, spp. n.)

(*Cadius globosus*, FAUVEL, T.c. sp. n.)

(*Callismilax bayayi*, *variolora*, *interrupta*, *fulgurans*, *coelestina*, *minneensis*, *externa*, *suturalis*, *arcitenens*, *caviceps*,

gloriosa, *semiviolacea*, *plieicollis*, *auripennis*, *virescens*, *sulcipennis*, *setigera*, FAUVEL, T.c. spp. n.)

(*Camaria obtusa*, *impressifrons*, *biaculeata*, FAIRMAIRE, Paris, Ann. soc. ent., 74, spp. n.)

(*Ceramba* gen. n., *hydrovatina*, sp. n., FAUVEL, Rev. ent., Caen, 23.)

(*Ceropria caerulea*, FAUVEL, T.c. sp. n.)

(*Cerostena infravestita*, *semistrigosa*, FAIRMAIRE, Paris, Ann. soc. ent., 74, spp. n.)

(*Cilibe asidæformis*, FAUVEL, Rev. ent., Caen, 23, sp. n.)

(*Coripera morleyana*, *distincta*, Blue Mts., CARTER, Sydney, N.S.W., Proc. Linn. Soc., 30, (184-186), spp. n.)

(*Crypticus vaucheri*, BEDEL, Paris, Bul. soc. ent., 1905, sp. n.)

(*Cymbæba bayayi sulcipennis*, *muscorum*, *indigacea*, *planipennis*, FAUVEL, Rev. ent., Caen, 23, 1904, spp. n.)

(*Derosimus* gen. n., *quadrifollis*, sp. n., FAIRMAIRE, Paris, Bul. soc. ent., 1904.)

(*Diaclina picta* sp. n., FAUVEL, Rev. ent., Caen, 23, sp. n.)

(*Diostolus acuticollis*, *quadrifollis*, *fortipes*, FAIRMAIRE, Paris, Ann. soc. ent., 74, spp. n.)

(*Dietopsis bucculata*, *tenuis*, FAIRMAIRE, T.c. spp. n.)

(*Ectomopsis* gen. n., *bruchii* sp. n., FAIRMAIRE, T.c.)

(*Edrotinus* gen. n., *tucumanus*, sp. n., Tucuman; FAIRMAIRE, Paris, Ann. Soc. ent., 72, 1903.)

(*Emmallodera granocostata*, *stragulata*, FAIRMAIRE, Paris, Ann. soc. ent., 74, spp. n.)

(*Encara nigrum*, Moruya, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., 30, (178), sp. n.)

(*Eutomoderes pustulosus*, FAIRMAIRE, Paris, Ann. soc. ent., 74, sp. n.)

(*Epipedonota planiuscula*, FAIRMAIRE, sp. n., T.c.—*E. strigosicollis*, Argentine, FAIRMAIRE, Paris, Bul. soc. ent., 1904, sp. n.)

(*Episopus cavipennis*, *championi*, *viridipennis*, *violaceipennis*, FAUVEL, Rev. ent. Caen, 23, 1904, spp. n.)

(*Eustenia* gen. n. *tenuimembris* FAIRMAIRE, Paris, Ann. soc. ent., **74**, sp. n.)

(*Ilyocis championi*, FAUVEL, Rev. ent. Caen, **23**, sp. n.)

(*Iscanus* gen. n., *kuniensis* sp. n., FAUVEL, T.c.)

(*Isopus kanak, obtusus, productus, apicipennis, sulcifer, morychoides*, FAUVEL, T.c., spp. n.)

(*Laena bodemeyeri*, Kleinasien, REITTER, Entomol. Ztg, Wien, **22**, 1903, (224), sp. n.)

(*Leptinoderes strangulatus*, Tucuman, FAIRMAIRE, Paris, Ann. Soc. ent., **72**, 1903, sp. n.)

(*Lorelus ocnlaris*, FAUVEL, Rev. ent. Caen, **23**, 1904, sp. n.)

(*Melasia apicipennis, fortistriata, punctata, microcephala, opacipennis, isoceroides, miriceps*, FAUVEL, T.c., (spp. n.)

(*Menephilus aeneus*, Rose Bay, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., **30**, (179), sp. n.)

(*Nyetelia vageimpressa, rotundipennis, inadriplacata*, Argentine, FAIRMAIRE, Paris, Bul. Soc. ent., **1904**, (61-64), qpp. n.—*N. timarchoides, suturacava, geometrica, confluens, discoïdalis, exasperata, blapoides, pinguis, quadricarinata, unicoslata, bifoveata, planicauda, producta, dorsata, crassecostata, quadricollis*, FAIRMAIRE, Paris, Ann. Soc. ent., **74**, spp. n.)

(*Oochrotus glaber*, DEMAISON, Paris, Bul. soc. ent., **1904**, sp. n.)

(*Otrintus jacksoni*, Bellinger River, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., **30**, (180), sp. n.)

(*Palorus laxipunctus*, FAUVEL, Rev. ent. Caen, **23**, 1904, sp. n.)

(*Paita* gen. n., *setosella* sp. n., FAUVEL, T.c.)

(*Phobelius semigranosus*, FAIRMAIRE, Paris, Ann. soc. ent., **74**, sp. n.)

(*Phymatosoma rutilans*, FAIRMAIRE, Mission Pavie, **3**, sp. n.)

(*Praocidia* gen. n., Tucuman, FAIRMAIRE, Paris, Ann. Soc. ent., **72**, 1903.)

(*Psectrascelis ambigena, semistrigosa*, Tucuman, FAIRMAIRE, Paris, Ann. soc. ent., **72**, 1903, spp. n.—*P. cariosicollis*, Argentine, FAIRMAIRE, Paris, Bull. soc. (N-9720 j)

ent., **1904**, sp. n.—*P. coriaria*, FAIRMAIRE, Paris, Ann. soc. ent., **74**, sp. n.)

(*Pseudelops fossatus, remotus, annulipes, macellus, trapezus*, FAUVEL, Rev. ent. Caen, **23**, 1904, spp. n.)

(*Pterohelaesus icarus*, Forbes, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., **33**, (177), sp. n.)

(*Scotobius depressicollis, ligans*, Tucuman, FAIRMAIRE, Paris, Ann. Soc. ent., **72**, 1903, spp. n.—*S. caraboides, cribricollis, quadricostatus*, FAIRMAIRE, Paris, Ann. Soc. ent., **74**, spp. n.)

(*Strongylium cupreocinctum*, Tucuman, FAIRMAIRE, Paris, Ann. Soc. ent., **72**, 1903, sp. n.)

(*Telleus* gen. n., *crenatus* sp. n., Tucuman, FAIRMAIRE, T.c.)

(*Thesilea mirabilis, kanalensis, politula, versicolor, purpurea*, FAUVEL, Rev. ent., Caen, **24**, 1905, spp. n.)

CISTELIDAE = ALLECULIDAE.

Brachycaea gen. n. voisin de *Allecula*, *quadrivittata* sp. n. Madagascar, FAIRMAIRE (278) Bull. Mus. Paris **12**.

Cistela *quinquelineata* (278), *interrupta, sexvittata*, (279), *subvittata* (280), Madagascar, FAIRMAIRE T.c., spp. n.

Ctenoposomus subgen. n. *Cteniopus*, REITTER Brunn. Verh. Natf. Ver. **44** (135).

Gastrhaema nigripennis Fabr. varr. n., REITTER T.c. (136).

Heliomophlus subgen. n. *Heliotaurus*, REITTER T.c. (147).

Heliotaurus distinctus and *plenifrons*, Pio Paris Bul. soc. ent. **1906** (186-187). —*H. sanguinicollis* Spanion, *scidlitzi* Algier & Sizilien spp. n., REITTER Brunn. Verh. Natf. Ver. **44** (143).

Holdhausia gen. n. für *Cteniopus* (?) *crassus* Fairm., REITTER T.c. (125).

Julogenius subgen. n. *Heliotaurus*, REITTER T.c. (136).

Megischina gen. n. für *adaliae, armillata, rosinae*, REITTER T.c. (171).

Omophlina pentheri Asia Minor, GANGLBAUER (279) Wien Ann. Hofmus. **20**, sp. n.

Omophlini; Uebersicht der europäischen Arten, REITTER Brunn. Verh. Natf. Ver. **44** (115-175).

Omophlus anatolicus, atticus, Attica & Euboea, *bodemyeri* Kleinasien, *conicicollis* Kurdistan, *dubitatus* Russ.-Armenien, *irregularis* Hochsyrien, *lepidus* Kleinasien, *mitis* Kaukasus & Samarkand, *salbachii* Hochsyrien, *sandneri* Kleinasien & Kurdistan, *talschenensis, turanicus*, spp. n., REITTER Brunn Verh. Natf. Ver. 44 (155).—*O. quadricollis*, Auftreten, Verbreitung, Schaden, ŠUGUROV Zap. Obsč. sel'sk. choz. Južn. Ross. 75 (87-94).—*O. reitteri* sp. n. Kaukasus, KOENIG Entomol. Ztg. Wien 25 (25).

Pleuromophlus subgen. n. *Heliotaurus*, REITTER T.c. (146).

Podonta bodemyeri Kleinasien, *flecki* Dobrutsch, *rotundangula* Kleinasien, spp. n., REITTER T.c. (123).

Rhinobarus subgen. n. *Cteniopis*, REITTER T.c. (131).

Stenerephlina gen. n. für *Omophlina* hauseri Reitt., REITTER T.c. (130).

Viriathus alternans Madagascar, FAIRMAIRE (280) Bull. Mus. Paris 12, sp. n.

(*Allecula strigicollis, rugicollis, quadrillum, phyllocera, simplex, tenuicornis, pusilla, insulana, laevior, cupreipennis, umbonata, montana, curticollis, anthracina, opacula*, FAUVEL, Rev. ent., Caen, 24, 1905, spp. n.)

(*Lystronychus humeralis*, FAIRMAIRE, Paris, Ann. soc. ent., 74, sp. n.)

(*Omophlus splendidus*, BEDEL, Paris, Bul. soc. ent., 1905, sp. n.)

(*Prionychus nitidissimus*, Pico, (383), Paris, Bul. soc. ent., 1904, sp. n.)

MELANDRYIDAE.

Abdera picea Walk. is not *A. (Carida) affinis* Payk., SHARP (220) Ent. Mag. London 42.

Eustrophus brunneimarginatus sp. n. Cincinnati, DURY Cincinnati Ohio J. Soc. 20 (251-256).

Tolmerus longipennis, FAIRMAIRE (42) pl. i f. 13 Résultat. Belgique, Zoologie.

(*Phloeotrya nebulosa, lancifera*, FAUVEL, Rev. ent., Caen, 24, 1905, spp. n.)

LAGRIIDAE.

Nemostira elegans Madagascar, FAIRMAIRE (281) Bul. Mus. Paris 12, sp. n.

(*Lagria heros, denticornis, rhytidonota*, Borneo, FAIRMAIRE, Paris, Bul. soc. ent., 1903, (300-301), spp. n.)

(*Sphinctoderus* gen. n., *strangulatus* sp. n., Borneo, FAIRMAIRE, Paris, Bul. soc. ent., 1903, (300-301).)

ANTHICIDAE, XYLOPHILIDAE, PEDILIDAE.

Anthicus amazonicus Amazonas, *sparsepunctatus* Manille, Pico (58) Echange 22, spp. n.—*A. manueli* Valencia, Pico (12) T.c., sp. n.—*A. balachanus* Transcaspien, *hauseri* Thibet, Pico (49) T.c., spp. n.—*A. insolubilis, alaiensis*, Turkestan, Pico (19) T.c., spp. n.—*A. insperatus* Turkestan, Pico (46) Paris Bul. Soc. entom. 1906, sp. n.—*A. hammani viberti* subsp. n., *bonnairei* var. *nubilicollis* var. n. (284), *insignitus* sp. n. Tunis (285), Pico T.c.—*A. subeveruleus* (78), *rosti* (79), Kashmir, Pico T.c., spp. n.—*A. suberassipes* Pondichéry, Pico (62) Paris Bul. soc. zool. 31, sp. n.—*A. postmaculatus* Buenos Aires (329), *A. (Ischyropalpus) bruchi* Tucuman (330), spp. n.; *bimaculifer* var. n. *carlosi, albofasciatus* var. n. *argentina*; J. Revist. Mus. La Plata 11 (330) 1904.

Conomorphus apicalis Brésil, Pico (45) Echange 22, sp. n.

Formicilla bruchi Buenos Aires, Pico (329) Revist. Mus. La Plata 11 1904, sp. n.

Formicomus curtippennis Afrique or., Pico (23) Bul. Mus. Paris 12, sp. n.—*F. birmanicus* Birmania, Pico (61) Paris Bul. Soc. Zool. 31, sp. n.—*F. fouqueti* Saïgon, Pico (18) Echange 22, sp. n.—*F. hauseri* Pico et *F. sterbae* Reitter, Pico Paris Bul. soc. ent. 1906 (175-176).—*F. sterbae* Rtt., *hauseri* Pico, *latro* Laf., Synonymie, REITTER Entomol. Ztg. Wien 25 (21).

Hylophilus feai sp. n. Iles du Cap Vert, Pico Genova Ann. Mus. 42 (234).—*H. pictus* (30), *atratus* (31), *brevicollis, densicollis, bicinctus*, (32), New Caledonia, FAUVEL Rev. ent. Caen 25, spp. n.

Macratria caledonica New Caledonia, FAUVEL (29) T.c., sp. n.

Notoxus rothschildi Afrique or., Pio (22) Bul. Mus. Paris 12, sp. n.

Physcius impressipennis (55), *brasilensis*, *subdepressus*, (56), Brésil, Pio Echange 22, spp. n.—*P. maculatus* St. Domingo, Pio (176) Naturaliste 1906, sp. n.

Tanarthropsis virginalis (168), *mormon*, *inyo*, (169), *infernalis* (171), N. America, spp. n., WICKHAM Philadelphia Pa. Trans. Amer. Ent. Soc. 32.

(*Formicomus sterbae*, Turkestan, REITTER, Entomol. Ztg., Wien, 24, 1905, (206), sp. n.)

(*Hylophilus boltegoi*, *diversicornis*, *grandipes*, *punctatus*, *magniceps*, *distincticornis*, *vicinus*, *apicipennis*, *rufithorax*, *vicinus*, *obscuricolor*, *semitruncatus*, Pio, Paris, Ann. soc. ent., 74, 1905, spp. n.)

(*Anthicus decerptus* sp. n., Pio, Paris, Bul. soc. ent., 1904, (118-119).—*A. lobatus*, *remotus*, Pio, Paris, Bul. soc. ent., 1905, sp. n.)

(*Egestria albilineata*, Gosford, N.S.W., CARTER, Sydney, N.S.W., Proc. Linn. Soc., 30, (189), sp. n.)

(*Hylophilus angusticollis*, *decoresei*, Pio, Paris, Bul. soc. ent., 1904, spp. n.)

(*Macratria basithorax*, Pio, Paris, Bul. soc. ent., 1905, sp. n.)

RHIPIPHORIDAE.

Blattivoros madagascariensis Madagascar, CHABAUT (203) Paris Bul. Soc. ent. 1906, sp. n.

Macrosiagon (Emenadia) baeri, *multinotata*, (175), *brasilensis* (176), spp. n., S. America, *limbata* var. n. *angustissima* (176), Pio Naturaliste 1906.—*M. (Emenadia) biolleyi* Costa Rica, Pio (56) Echange 22, sp. n.

Macrosiagon tricuspadata triongulinide, CHABAUT Paris Bul. soc. ent. 1906, (270-272) av. fig.—*M. (Emenadia) varicollis* Fairm. var. n. *tonkinae*, *ladaleuci* sp. n. Iles Andaman, Pio (44) Echange 22.

Myiodes subdipterus Bosc., habitat, synonymie, CHABAUT Paris Bul. soc. ent. 1906 (223-224).—*M. subdipterus*

(N-9720 j)

Bosc., triongulinide, CHABAUT Paris Bul. soc. ent. 1906 (238-244) av. fig.

Rhyzostylops gen. n. *Rhipiphoridae* approaching *Stylopidae* (316), *inquirendus* sp. n. Umbria (317) pl. xx, SILVESTRI Redia 3.

(*Ancholaemus acuminatus*, Brasil, FAIRMAIRE, Paris, Bul. soc. ent., 1904, sp. n.)

(*Evaniocera*, palaeartische Arten, REITTER, Entomol. Ztg., Wien, 22, 1903, (237-238).—*E. hauseri* sp. n., Persien, REITTER, Entomol. Ztg., Wien, 22, 1903, (238).)

(*Macrosiagon carinicollis*, FAUVEL, Rev. ent., Caen, 24, 1905, sp. n.)

STREPSIPTERA.

Strepsiptera is a division of *Coleoptera*, FRIESE (737-740) Zool. Anz. 29.

How to collect *Stylopidae*, DURY Ohio Nat. 6 (413).

Elenchus tenuicornis, metamorphosis, MUIR (6-10) pl. i Honolulu Exp. Stat. Bull. 2.

Xenos moutoni, male, DU BUYSSON (11) Rev. ent. Caen 25.

MORDELLIDAE.

Anaspis (Silaria) tibialis Kashmir (24), *bickhardtii* Corsica (25), SCHILSKY Küster Käf. Eur. 43, sp. n.

Mordella reticulata (281), *tetragramma*, *melanozosta*, *denudata*, (282), Madagascar, FAIRMAIRE Bul. Mus. Paris 12, spp. n.—*M. weisei* sp. n. Usambara, SCHILSKY D. ent. Zs. 1906 (465).

Mordellistena antennata sp. n. Usambara, SCHILSKY T.c. (466).—*M. delicatula* sp. n. Cincinnati, DURY Cincinnati Ohio J. Soc. 20 (251-256).

(*Anaspis (Silaria) numeensis*, FAUVEL, Rev. ent., Caen, 24, 1905, sp. n.)

(*Mordellistena arabica*, Arabie, CHABAUT, Paris, Bul. soc. ent., 1904, sp. n.—*M. caledonica*, FAUVEL, Rev. ent., Caen, 24, 1905, sp. n.)

CANTHARIDAE = MELOIDAE.

Cantharis cinereovestita = (*Lagorina mus* Esch.), Pio (48) Paris Bul. soc. entom. 1906.

Coryna rothschildi Afrique or., Pio (23) Bul. Mus. Paris **12**, sp. n.

Filalia (Sitaris) cerambycina Mogador, ESOALERA (161) Madrid Bol. Soc. espan. **6**, sp. n.

Lytta clematidis var. n. *korbi*, Pio (18) Echange **22**.

Mylabris pentheri Asia Minor, GANGLBAUER (279) Wien Ann. Hofmus. **20**, sp. n.

Rhampholyssa antennata sp. n. Transkaspien, REITTER Entomol. Ztg Wien **25** (36).

Zonabris oleae var. n. *multinotata*, 18-*punctata* var. n. *tunisea*, Pio (26) Echange **22**.

(*Epicauta*, Uebersicht der palaearktischen Arten, REITTER, Entomol. Ztg., Wien, **24**, 1905, (194-196).—*E. obscuricephala*, China, REITTER, T.c. (194-196), sp. n.)

(*Lydus tenuicollis*, Mittelpersien, REITTER, T.c. (246), sp. n.)

(*Meloë frontalis*, Zentral-Persien, *mathiesseni*, Mittelpersien, REITTER, T.c. (245).)

(*Pseudomeloe gracilior*, *guttulatus*, *baeri*, *subifrons*, *sublaevis*, Tucuman, FAIRMAIRE, Paris, Ann. Soc. ent., **72**, 1903, spp. n.)

(*Zonabris bosnica*, Südbosnien, Herzegovina, REITTER, Entomol. Ztg., Wien, **22**, 1903, (230), sp. n.)

(*Zonitis nigripennis*, *atriceps*, FAUVEL, Rev. ent., Caen, **24**, 1905, spp. n.)

PYTHIDAE.

Lissodema plagiatum New Caledonia, FAUVEL (39) Rev. ent. Caen **25**, sp. n.

(*Rhinosimus caucasicus*, REITTER, Entomol. Ztg., Wien, **24**, 1905, (312), sp. n.)

(*Salpingus distincticollis*, *bisbimaculatus*, Madagascar, Pio, Paris, Bul. soc. ent., **1904**, sp. n.)

PYROCHROIDAE.

Dendroides grandipennis Chine, Pio (29) Echange **22**, sp. n.

Lemodes splendens N.S. Wales pl. xviii f. 9, LEA (226) Sydney N.S.W. Proc. Linn. Soc. **31**, sp. n.

Pyrochroa deplanata Malabar, *bipartita* Sumatra, *impressiceps*, (28), *basalis* (29), Java, Pio Echange **22**, spp. n.

OEDEMERIDAE.

Nacerda (Anoncodes) caucasica Caucas., Pio (19) Echange **22**, sp. n.

Probosca notatithorax Arabie, Pio (26) T.c., sp. n.

Selenopalpus caledonicus New Caledonia, FAUVEL (34) Rev. ent. Caen **25**, sp. n.

Sessinia funerea (37), *vittigera*, *platyptera*, (38), New Caledonia, FAUVEL T.c., spp. n.

(*Oedemera laufferi*, Spanien, REITTER, Entomol. Ztg., Wien, **24**, 1905, (206), sp. n.)

(*Pseudolychnus montanus*, *rufipennis*, Blackheath, CARTER, Sydney, N.S.W., Proc. Linn. Soc., **30**, (187-188), spp. n.)

CURCULIONIDAE.

Catalogue of *Curculionidae* and *Anthribidae* of Belgium, BOVIE (59-93) Bruxelles Ann. Soc. ent. Belgique **50**.

Integumental structures of larvae living in wood, LEISEWITZ.

"Aquatic weevil," metamorphoses, ANNANDALE and PAIVA J. As. Soc. Bengal **2** (197-200).

Maxilla in Rhynchophorous *Coleoptera*. Correction to paper on development of the rostrum . . . by E. M. McClenahan; NEEDHAM Pysche **17** (36).

Acalles = (*Trachodius* Weise), *papei* Italia, with var. *balkanicus* (96), *clermonti* Algieria (98), SOLARI Genova Ann. Mus. **42**, spp. n.—*A. nodipennis* Algérie, Pio (34) Echange **22**, sp. n.

Acallorneuma gen. n. prope *Acalles*, *reitteri* sp. n. Italia, MAINARDI Riv. Col. ital. **5** (149-156) con 4 fig.

Acamptoides gen. n. *Cryptorhynchides*, *angustus* sp. n. Guatemala pl. xxxv f. 11, CHAMPION (712) Biol. Centr.-Amer. Col. **4** pt. 4.

Acythopeus aterrimus = (*Baris orchivora* Blackb.), LEA (101) Adelaide S. Aust. Trans. R. Soc. 30.

Adionychus gen. n. for *Dionychus grandicollis* Kirsch, HELLER (27) Stettiner ent. Ztg. 67.

Aenesias sulcifrons Mexico, CHAMPION pl. xxxv f. 30 (728) Biol. Centr.-Amer. Col. 4 pt. 4, sp. n.

Ampelogypter nitidus (428), *speculifer* (429), *nicaraguensis* (430), Nicaragua, SOLARI Genova Ann. Mus. 42, spp. n.

Anoplus setulosus, validity, DEVILLE (266) Abeille 30.

Anopsilus inermis Paraguay (439), *mexicanus* Sierra Durango (440), SOLARI Genova Ann. Mus. 42, spp. n.

Anthonomus otidocephaloides Panama, pl. xxxv f. 24 (722), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4 sp. n.—Appareil digestif de la larve d'*A. pomorum*, BORDAS Paris C.-R. soc. biol. 60 1905 (1163-1164).

Anotiscus gen. n. for part of *Homalotus*, *densatus* Brazil, *inermis* Cayenne, (369), *umbilicatus* Guadeloupe (370), spp. n., DESBROCHERS Bruxelles Ann. Soc. ent. Belgique 50.

Aphaenicus subg. n. of *Mecaspis*, for *alternatus* Herbst, DESBROCHERS (31) Frelon 14.

Apion; table of palaearctic, with subgenera, (? some of them new), and list of food-plants; SCHILSKY Küster Käf. Eur. 43.—*A. acuminatum* Spain (31), *chobauti* Algiers (19), *clavatum* Spain (3), *deletum* Dschilarik (38), *judaicum* Palestine (18), *laufferi* Spain (20), *lenense* Siberia (67), *lesnei* Mantchuria (28), *longiceps* Daghestan (5), *monticola* Bosnia (15), *puncticolle* Susa (27), *quadriricostatum* Syria (8), *rectirostre* Mantchuria (58), *sublineatum* Armenia (?) (21), *transsylvanicum* Siebenbürgen (10), spp. n., SCHILSKY in Küster and Kraatz Käfer Europas 42.—*A. coreyracum* Corfu, sp. n., Id. T.c. 43.—*A. cyladoides* (78), *transvaalense* (79), spp. n., Transvaal, HARTMANN D. ent. Zs. Berlin.—*A. wagneri* sp. n., Portugal, FLAON Entomol. Ztg. Wien 25 1906 (121).—*A. rufum* Italia mer. (100), *liguricum* Liguria (101), SOLARI Genova Ann. Mus. 42, spp. n.

Apoderus affinis (77), *rugicollis* (76), Pekin, spp. n., SCHILSKY in Küster and Kraatz Käfer Europas 42.

Apotomorrhinus orchidearum sp. n., KOLBE Gartenflora Berlin 55 (2-6).

Apteromechus scabrosus pl. xxx f. 23 (621), *deciduus* f. 24, *nitidifrons* f. 25, *rugipectus*, (622), *pigmentatus* f. 26, *stigmatus* f. 27, (623), *melanostigma* f. 28, *subfasciatus* f. 29, *rugirostris*, (624), *longulus*, *punctiventris*, (625), *debilis*, *flavopunctatus* f. 31, *opacifrons*, (626), *rugulifrons*, *parvus*, *leucospilus* f. 30, (627), Central America; CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4, spp. n.

Arachnomorpha gen. n. near *Mnemyne*, *circumlineata* sp. n. Panama pl. iii f. 23, CHAMPION (47) T.c.

Archocopturus regalis Boh. pl. iii f. 17 (43), CHAMPION T.c.

Argoptochus; Artübersicht, (222-227), subg. n. vide *Henschia*; *interruptus* sp. n. Ephesus (226), REITTER Brünn Verh. Natf. Ver. 44.—*A. periteloides* = (*Foucartia serbica* Apf.), FORMÁNEK Entomol. Ztg. Wien 25 (40).

Atroniscus gen. n. for *Cholus basalis*, DESBROCHERS (356) Bruxelles Ann. Soc. ent. Belgique 50.

Atteclabus spinipes sp. n. Pekin (88), SCHILSKY in Küster and Kraatz Käfer Europas 42.

Bagöimorphus gen. n. near *Bagous*, *laticollis* sp. n. Asia Minor, DESBROCHERS (11) Frelon 14.

Bagous nupharis sp. n. Albanien, APFELBECK (1672) Wien SitzBer. Ak. Wiss. 115 Abt. I (1672).

Baris ignifer var. n. *chloroptera*, FUENTE (285) Madrid Bol. Soc. esp. 6.—*B. grandicollis* Asia Minor, SCHULTZE (281) Wien Ann. Hofmus. 20, sp. n.—*B. purpurca* Valencia, REITTER (379) Madrid Bol. Soc. esp. Hist. nat. 6, sp. n.—*B. angophorae* (86), *sororia*, *subopaca*, (87), *vagans*, *australiae*, (88), *oblonga*, *microscopica*, (89), *sublaminata*, *elliptica*, (90), *glabra*, *albopicta*, (91), *tenuistriata* (92), *albipuncta*, *niveonotata*, (93), *basistrostris*, *devia*, (94), *ebenina*, *porosa*, (95), Australia or Tasmania, LEA Adelaide S. Aust. Trans. R. Soc. 30, spp. n.—*B. setosella* (418), *managuensis*, Nicaragua, *seriatosetosa* Messico, (419), *nicaraguensis* Managua (420), SOLARI Genova Ann. Mus. 42, spp. n.—*B.*

orchivora cf. *Acythopeus aterrinus*.—*Baris* sp., and cole in Nord-Holland, QUANJER Haarlem Nat. Verb. Holl. Maatsch. Wet. 6 (1-84) 7 Taf.

Bothrobatys laticollis pl. xxix f. 30 (607), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4.

Brachycerus callosus Sch. = (*chevrolati* Fährs.), BEDEL (92) Paris Bull. Soc. ent. 1906.—*B. interpositus*, *loquax* (Fst. i. l.), (66), *sulcicollis* (67), spp. n., Transvaal, *granosus* and *apterus* distinguished, HARTMANN D. ent. Zs. Berlin 1906.

Brachyenemis vittatus Colombia, DESBROCHERS (371) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Brachysomus solaris sp. n. Dobrudscha, FORMÁNEK Entomol. Ztg. Wien 25 (38).

Byctiscus gibbistrois sp. n. Japan, SCHILSKY (35) in Küster and Kraatz Käfer Europas 42.

Caenopsis maderiensis Madère, *augustior* Algérie, PIC (3) Echange 22, spp. n.

Camelodes pascoei Brasile, SOLARI (438) Genova Ann. Mus. 42, sp. n.

Catapionus semiglabratus var. n. *magnini*, PIC (34) Echange 22.

Cathormiocerus ? *picturatus* Spain, DESBROCHERS (21) Frelon 14, sp. n.

Catiline gen. n. *Ceratopina* (720), *conotrachelinus* sp. n. Panama pl. xxxv f. 22 (721), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4.

Caulostrophilus gen. n. near *Neliocarus* (13), *breviusculus* Tangier (14), *lineellus* Andalusia (15), spp. n., DESBROCHERS Frelon 14.

Caulostrophus caesipes Algeria, SOLARI (89) Genova Ann. Mus. 42, sp. n.

Ceutorhynchidius terminatus, BÖRNER Berlin Arb. biol. Anst. 5 (283-292).

Chaerocephalus immunis Algeria, DESBROCHERS (4) Frelon 14, sp. n.—*C. tunisicus* Tunisie, PIC (11) Echange 22, sp. n.

Chalcodermus speculifer sp. n. S. America, HELLER (30) Stettiner ent. Ztg. 67.

Chlorophanus algericus Algeria, DESBROCHERS (9) Frelon 14, sp. n.

Cholus argentinicus Chaco (16), *bipertitus* Costa Rica (21), *cananchensis* Colombia (14), *chrysalis* Costa Rica (15), *jocosus* (19), *melancholicus* (17), with var. n. *confluens*, Colombia, *niveodecoratus* (13), *sanguinelytris* (23), *sanguineocostatus* (22), Colombia, spp. n., HELLER Stettiner ent. Ztg. 67.—*C. bipertitus* Heller pl. xxxv f. 27 (725), *chrysalis* Heller f. 28 (726), *C. putieri* f. 26 (725) sp. n., CHAMPION Biol. Centr. Amer. Col. 4 pt. 4.—*C. dispersus* (357), *cozalis*, Brazil, *similans* Colombia, *interrupte-arcuatus* Bolivia, (358), *fimbriatus*, *bipartitus*, Amazona, *niveicinctus*, *subcinctus*, Cayenne, (359), *jekeli* Amazona, *lituraticollis* Brazil, *depressiusculus*, (316), *gulo* Cayenne, *tigrinellus*, *rubiginosus*, (361), *23-maculatus* Colombia, *trilineatus* Venezuela, *biinterruptus* Antilles, (362), *championi* Bolivia, *frater* Brazil, (363), *aemulus* Amazona, *interruptefasciatus*, *subcostatus*, (364), *tenuefasciatus* (365), Colombia, DESBROCHERS Bruxelles Ann. Soc. ent. Belgique 50, spp. n.

Cionus tissoni sp. n. Damascus, REITTER D. ent. Zs. 1906 (451).

Cleonus; the French species, (27-75), *glauca* var. n. *nubilus* (34), *C.* subg. n. cf. *Noctivius*, DESBROCHERS Frelon 14.—*Cleonus mendicus* Gyll. MAYER, Paris Bul. soc. ent. 1906 (102-104) av. fig.—*C. punctiventris* Germ., Biologie, BÉRAL Věst. sacharn. promysl. 5 (243-247); Lebensweise, Bekämpfung, POSPĚLOV Věst. sacharn. promysl. 7 (236-244, 275-283, 331-342).

Coelonertus gen. n. *Nertidi* (441), *squamulosus*, *nigrirostris*, (442); *alternatus* (443), *baridioides* (444), spp. n., Brasile, SOLARI Genova Ann. Mus. 42.

Conapion ripicola sp. n. Transvaal, HARTMANN (79) D. ent. Zs. Berlin 1906.

Conotrachelus biolleyi Costa Rica, CHAMPION pl. xxxv f. 29 (727) Biol. Centr.-Amer. Col. 4 pt. 4. sp. n.—*C. tuberculicollis* (339), *arizonicus*, *ecarinatus*, (340), Arizona, *texanus* Brownsville (342), SCHAEFFER Canad. Entomol. 38, spp. n.

Copturomimus cinereus Hell., pl. iv f. 24 (64), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.—*C. ochreonotatus* pl. iv f. 18 (60), *rufocinctus* f. 19, *octocos-*

tatus f. 20, (61), *stridulans* f. 21, *caerulocinctus* f. 22, (62), *asperatus* f. 23, *sparsus*, (63), *brevicollis*, *confluens* f. 25, (64), Central America, CHAMPION T.c., **spp. n.**

Copturomorpha **gen. n.** *Zygopina* (65), *interrupta* pl. iv f. 26, *11-notata* f. 27, (66), *rugipennis*, *albomaculata* f. 28, *albosignata* f. 29, (67), *leucosticta* f. 30, *funerea*, (68), **spp. n.**, Central America, CHAMPION T.c.

Copturus centralis, pl. v f. 6 (71), *exaratus*, *verrucosus* f. 7, (72), *constrictus* f. 8, *unifasciatus* f. 9, (73), *lynceus* f. 10, *fulvomaculatus* f. 11, (74), *sericeus* f. 12, *maculosus* f. 13, (75), *tricolor* f. 14, *montezuma* f. 15, (76), *cincticollis* f. 17 (77), *quadricolor* f. 18, *ruficollis* f. 19, (78), *atrosignatus* f. 24, (79), *histricus* f. 28, *amoenus* f. 29, (81), *fulvoeruciatus* f. 30, *multiguttatus* f. 31, (82), *griplipes* f. 32, *bicinctus* f. 33, *undatus*, (83), *fulvosignatus* pl. vi f. 1, *ignicollis* f. 2, (84), *albidus* f. 3 (85), *latitarsis* (86), Central America, CHAMPION T.c., **spp. n.**—*C. horridus*, *jatrophae*, (56), *filicornis* (57), *princeps*, *littoralis*, (58), *medinotus* (59), *dehiscens*, *centropictus*, (60), **spp. n.**, N. America, FALL Philadelphia Pa. Trans. Amer. Ent. Soc. 32.—*C. martae* Hell., pl. v f. 1, *avicularis* Boh. f. 2, (70), *deplanus* Fabr. figs. 3 4, *mexicanus* Hell. f. 5, (71), *neohispanicus* Hell. f. 16 (77), *conturbatus* Hell. f. 20, *torquatus* Hell. f. 21, (78), *lamprothorax* Hell. figs. 22 23 (79), *quadricinctus* Hell. f. 25, *ludiosus* Boh. f. 26, *gracilis* Hell. f. 27, (80), *furfuraceus* Germ. f. 4 (85), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.

Corigetis coniceps **sp. n.** Ost-Turkestan, REITTER Entomol. Ztg. Wien 25 (244).

Costolatychus **gen. n.** for *Piazurus ochrocephalus* Schönh., HELLER (35) Stettiner ent. Ztg.

Cratosomus punctulatus Gyll. pl. i f. 3 (3), varr. and synonymy (4), *lafontii* Guér. f. 8, *gemmatus* Lec. f. 9, (5), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.—*C. annulipes* pl. i f. 1 (3), *spicatus* f. 11, *angustus* pl. ii f. 1, (6), *pulverulentus* pl. i f. 12, *aspersus* f. 13, (7), *cuneatus* f. 14, *bidens* f. 16, (8), Central America, CHAMPION T.c., **spp. n.**

Cryptorrhynchus foveatus Boh. pl. xxxi f. 15 (637), *plumipes* Boh. (as *Gasterocercus*) f. 19 (640), *dorsalis* Boh. pl. xxxiii f. 7, (671), *tirunculus* Boh. f. 13 (673), *consobrinus* f. 21 (679), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4.—*C. mistus* pl. xxxi f. 8 (633), *cordubensis* f. 9, *latisquamis* f. 10, (634), *sublineatus* f. 11, *belli* f. 12, (635), *atrosignatus* f. 13 (636), *variosus*, *convexicollis* f. 14, (637), *melastomae* f. 16 (638), *cytonis* f. 17, *aequalis* f. 18, (639), *spiculosus* f. 21 (641), *placatus* f. 22, *curtirostris* f. 23 (642), *yucatanus* (643), *foveifrons* f. 24, *v-nigrum* f. 25, (644), *bicruciatu*s f. 26, *octomaculatus* f. 27, (645), *scopulatus* f. 28, *plagiaticollis* f. 29, (646), *alutaceus* f. 30, *formosus* f. 31, (647), *inelegans* pl. xxxii f. 1 (648), *conspurecatus* f. 2, *nigrocristatus* f. 3, (649), *lacteicollis* f. 4 (650), *oculeus* f. 5, *ruralis*, (651), *dorsuarius* f. 6, *ferox* f. 7, (652), *cinctipes* f. 9, (653), *bivittatus* f. 10 (654), *alboscuteclatus* f. 11, *scutatus* f. 12, (655), *hirtimanus* f. 13, *fulvicollis* f. 14, (656), *bipupillatus* f. 15, *rugipes* f. 16, (657), *patruelis*, *coriarius* f. 17, (658), *seticollis*, *ignobilis* f. 18, (659), *granulosus* f. 19, *paleatus* f. 20, (660), *melancholicus*, *infuscatus*, *fraterculus* f. 21, (661), *commixtus* f. 22, *tenebrosus* f. 23, (662), *cinereus* f. 24, *albopunctatus* f. 25, (663), *biguttatus* f. 26, *bimaculatus* f. 27, (664), *tortuosus* f. 28, *singularis* f. 29, (665), *insolitus* f. 30 (666), *quadriplagiatus* f. 31, *carinifer* f. 32, (667), *bifenestratus* pl. xxxiii f. 1 (668), *collinus* f. 2, *diversus* f. 3, (669), *caliginosus* f. 4, *octonotatus* f. 5, (670), *evanescens* f. 6, *eruptus* figs. 8 and 9, (671), *macer* f. 10, *sinuatifrons* f. 11, (672), *medioximus* f. 12, *fucatus* f. 14, *intricatus* f. 15, (674), *cancellatus* f. 16, (675), *degressus* f. 17, *bioculatus* f. 18, (676), *stigmatophorus* f. 19, *distigma*, (677), *diophthalmus* f. 20, *leucostigma*, *leucaspis*, (678), *silaceus* f. 22 (679), *bisinuatus* f. 23, *duplaris*, (680), *suturalis* f. 24 (681), *subcaudatus* f. 25, *guttatus*, (682), *nigroplagiatus* f. 26 (683), *uncipes* f. 27, *simplex*, (684), *opaciventris*, *disjunctus*, *quadrituberculatus* f. 29, (685), *senticosus*, *contaminatus* f. 30, (686), *enodis* f. 31, *tectus* f. 32, (687), *stohri*, *phaleratus* pl. xxxiv f. 1, (688), *undulatus* f. 2, *decorus* f. 3, (689), *collabismoides* f. 4, *erraticus* f. 5, (690), *anthonomoides* f. 6, *fulvofasciatus*, (691), *sedulus* f. 7, *interlitus* f. 8,

(692), *unipunctatus* f. 9, *abjectus* f. 10, (693), *mesomelas* f. 11, *conspicillatus* f. 12, (694), *murinus* f. 13, *propinquus* f. 14, (695), *sexnotatus* f. 15, *quadrisingnatus* f. 16, (696), *concentricus* f. 17 (697), *discedens* f. 18, *scutulatus* f. 19, (698), *pictipes* f. 20, *decoratus*, (699), *erubescens* f. 21, *honestus* f. 22, (700), *rubicundus* f. 23, *iniquus* f. 24, (701), *festivus* f. 25 (702), *disciger* f. 26, *scutiger* f. 27, *melanophthalmus* f. 28, (703), *echinatus* (704), *furvus*, *porcatus* pl. xxv f. 1, (705), *humilis*, *strigatus* f. 2, (706), *pallescens*, *pallidisectis* pl. xxv f. 3, (707), *scepticus* f. 4, *insitivus* f. 5, (708), *nigrocinctus* f. 6, *subcylindricus* f. 7, (709), all from Central America, CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4, **spp. n.**

Cyclobarus alternevittatus Algeria, DESBROCHERS (6) Frelon 14, **sp. n.**—*C. metallescens* var. n. *longipilis*, Pio (41) Echange 22.

Cyclomaurus demaisonii Asia Minor, DESBROCHERS (7) Frelon 14, **sp. n.**

Cyclomias ptochoides Adana, Pio (66) Echange 22, **sp. n.**

Cylopterus desbrochersi Valencia, REITTER (377) Madrid Bol. Soc. esp. Hist. nat. 6, **sp. n.**

Cylindrocopturus ganglbaueri Hell. (as *Paratimorus*) pl. iii f. 4 (37), *adpersus* Lec. (as *Copturus*) f. 12 (40), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.—*C. triangulifer* pl. iii f. 5, *biradiatus* f. 6, (37), *bicaudatus* f. 7, *tetralobus* f. 8, (38), *armatus* f. 9, *imbricatus* f. 10, (39), *albonotatus* f. 11 (40), *bifasciatus* f. 13, *elongatus* f. 14, *scaphiformis* f. 15, (41), Central America, CHAMPION T.c., **spp. n.**

Cyphicerus; Artübersicht, REITTER Brunn Verh. Natf. Ver. 44 (253).—*C. bohemani* nom. n. für *Myloccerus brevicollis* Boh., Id. T.c. (254).

Cyrtolepis (Aigelius) diecki Algeria, DESBROCHERS (5) Frelon 14, **sp. n.**—*C. (Aigelius) obscuricolor* Algérie, Pio (41) Echange 22, **sp. n.**

Cyrtotrachelus sp., natural history, BANKS (161–163) pl. xi Philipp. J. Sci. 1.

Cyrtalia apicalis (80), *longirostris*, *piceosetosa*, *oleariae*, (81), Australia or Tasmania LEA Adelaide S. Aust. Trans. R. Soc. 30, **spp. n.**

Desbrochersella gen. n. for part of *Myllacus* (209), *baetica* Schauf. = (*rhinophorus* Seidl.) (210), REITTER Brunn Verh. Natf. Ver. 44.

Diaporesis distincta pl. xxx f. 11 (614), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4.

Dichotrachelus doderoi, Alpe maritime, SOLARI (94) Genova Ann. Mus. 42, **sp. n.**—*D. ragusae* **sp. n.** Sicilia, SOLARI Natural sicil. 18 (246–247).

Dionychus parallelogrammus var. n. *alternans*, DESBROCHERS (371) Bruxelles Ann. Soc. ent. Belgique 50.

Dynamis (Rhynchodynamis subgen. n.) filirostris **sp. n.** S. America, HELLER (49) Stettiner ent. Ztg. 67.

Dysmachus boriei Colombia, DESBROCHERS (371) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Echinonemus bisignatus **sp. n.** Transvaal, HARTMANN (77) D. ent. Zs. Berlin 1906.

Ectomastes gen. n. near *Cholus*, *oxyrhynchoides* **sp. n.** (hab. not given), DESBROCHERS (367) Bruxelles Ann. Soc. ent. Belgique 50.

Elytrodon barbarus Tangier, DESBROCHERS (1) Frelon 14, **sp. n.**

Eremotes meridionalis **sp. n.** Transvaal, HARTMANN (84) D. ent. Zs. Berlin 1906.

Erethistes rhomboides Costa Rica, CHAMPION (727) Biol. Centr.-Amer. Col. 4 pt. 4, **sp. n.**

Eulechriops septemnotatus pl. vii f. 8, *ochraceus* f. 9 (111), *squamulatus* f. 10, *nigrolineatus* f. 11, (112), *boops* f. 12, *melas* f. 13, (113), *lugubris* f. 14, *melancholicus* f. 15, *brevipes* f. 16, (114), *tuberculifer* f. 17, *flavitaris* f. 18, (115), *albofasciatus* f. 19, *ornatus* f. 20, *muticus* f. 21, (116), *perpusillus*, *seriatus* f. 30, (117), *longipennis* f. 22, *elongatus* f. 23, (118), *cinerascens*, *cylindricollis* f. 24, *scutulatus* f. 25, (119), *sexnotatus* f. 26, *albo-lineatus* f. 27, (120), *ductilis* f. 28, *pygmaeus*, (121), *nitidus* f. 29, *coruscus*, *laevirostris* pl. viii f. 1 (122) *leucopilus* pl. vii f. 31, *plagiatus* f. 32, (123), *maculicollis* f. 33, *pusillus* pl. viii f. 2, (124), *conicicollis* f. 3, *sibinioides*, *tenuirostris*, (125), *filirostris* f. 4, *angusticollis* f. 5, (126), **spp. n.**

Central America, CHAMPION Op. cit. pt. 5.

Euops puncticollis sp. n. Japan (92), SCHILSKY in Küster and Kraatz Käfer Europas 42.

Euscelus chinensis (89), gibbicollis (90), spp. n., China, SCHILSKY T.c.

Eusomomorphus subgen. n. vide *Eusomus*.

Eusomus (*Eusomomorphus* subgen. n., *oligops* Asia minor, DANIEL (281) Wien Ann. Hofmus. 20, sp. n.

Eutinobothrus pilosellus pl. xxix f. 25, CHAMPION (604) Biol. Centr.-Amer. Col. 4 pt. 4.

Euzurus gen. n. near *Zurus*, *ornativentris* sp. n. Panama pl. iii f. 21, CHAMPION (45) T.c. pt. 5.

Gasterocercus propugnator pl. xxxi f. 5 (630), CHAMPION T.c. pt. 4.

Gymnetron fuentei Spain, Pto (12) Echange 22, sp. n.—*G. nigrinotatum* Algérie, Pto (27) T.c., sp. n.—*G. moroderi* Valencia, REITTER (379) Madrid Bol. Soc. esp. Hist. nat. 6, sp. n.

Gymnobaris gen. n. near *Baris*, *politus* sp. n. Queensland, LEA (96) Adelaide S. Aust. Trans. R. Soc. 30.

Graphonotus leporinus pl. xxx f. 2 (608), *bituberculatus* f. 3 (609), *biolleyi* f. 4, *maculicollis* f. 5, (610), *albescens* f. 6, *cinctipennis* f. 7, (611), *variisquamis* f. 8, *quadrifasciatus* f. 9, (612), *lituratus* f. 10, *defectus*, (613), Central America, CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4, spp. n.

Grypidiopsis ? *asperatus* Guatemala pl. xxxv f. 23 (721), CHAMPION T.c., sp. n.

Haptomerus pentheri Asia Minor, GANGLBAUER (281) Wien Ann. Hofmus. 20, sp. n.—*H. siculus*, AMORE Natural. sicil. 18 (193-194).

Heilipus cylindricollis (10), *pseudanchoralis* (9), Peru spp. n., HELLER Stettiner ent. Ztg. 67.

Helleriella gen. n. *Zygopina* (32), *longicollis* sp. n. Mexico (33) pl. ii f. 28, CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.

Henschia subgen. n. von *Argoptochus*, REITTER Brunn. Verh. Natf. Ver. 44 (227).

Herpes porcellus, early stages, BOURGEOIS (94) Paris Bull. Soc. ent. 1906.

Hilipinus latipennis pl. xxxv f. 20, *granosus* f. 21, CHAMPION (718) Biol. Centr.-Amer. Col. 4 pt. 4, spp. n.

Hilipus rufocinctus pl. xxxv f. 16 (715), *securifer* (= *securiger* Ch. olim), *spinipennis* f. 17, (716), *stigmaeus* f. 18, *terebrans* f. 19, (717), Central America, CHAMPION T.c., spp. n.

Himalinum nom. n. = *Himantium* Woll, COCKERELL (243), Ent. News, 17.

Hipporhinus nasicornis sp. n. Transvaal, HARTMANN (72) D. ent. Zs. Berlin 1906.

Hoplocyrtus leptopus Hell. pl. iv f. 15 (59), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.—*H. javeti* pl. iv f. 3 (53), *nigripes* f. 4, *quinquevittatus* f. 5, (54), *nubilus* f. 6, *sulphureus* f. 7, (55), *spinipes* f. 8, *costatipennis* f. 9, (56), *ochreicollis* f. 10, *basalis* f. 11, (57), *elegans* f. 12, *scintillans* f. 13, *mariae* f. 14, (58), *densus* f. 15, *varipes* f. 17, (59), Central America, CHAMPION T.c., spp. n.

Hylobius gebleri Boh. metamorphosis (Japanese), NITOME Konch. Sek., Gifu 10, 1906, (275-277).

Hyperini; Druckfehlerverzeichnis zu Petri's Monographie, HEYDEN Entomol. Ztg. Wien 25 (137-138).

Hypoglyptus; Pto Echange 22 (58-59, 67-69).

Hypoplagius pectoralis Desbr. (32), pl. ii f. 27, CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.

Huamboica gen. n. *Aphiorhamphus cavicollis* Kirsch, HELLER (28) Stettiner ent. Ztg. 67.

Ipsichora mesosternalis (97), *desiderabilis*, *macleayi*, (98), *duplicata* (99), Australia, LEA Adelaide S. Aust. Trans. R. Soc. 30, spp. n.

Isotrachelus Faust 1896 = (*Microcleogonus* Ch. 1905), CHAMPION (117) Biol. Centr.-Amer. Col. 4 pt. 5.

Isus gen. n. *Cryptorhynchides*, *m-nigrum* sp. n. Guatemala pl. xxxi f. 4, CHAMPION (631) Op. cit. pt. 4.

Lachnaeus Sch. = (*Stolatus* Muls.), BEDEL (92) Paris Bull. Soc. ent. 1906.

Lagenolobus; Beschreibung, REITTER Brunn. Verh. Natf. Ver. 44 (241).

Lalagetes hispidus (70), *signatus* (71), **spp. n.**, Transvaal, HARTMANN D. ent. Zs. Berlin 1906.

Larides **gen. n.** *Zygopina* (34), *cavifrons* **sp. n.** Guatemala pl. iii f. 3 (35), CHAMPION Biol. Centr.-Amer. 4 pt. 5.

Larinus frater (75), *peregrinus* (76), **spp. n.**, Transvaal, HARTMANN D. ent. Zs. Berlin 1906.

Lechriops copturoides pl. vi f. 13, *oblongulus* f. 14, (92), *albisquamis* f. 15, *canescens* f. 16, (93), *squamirostris* f. 17, *exsculptus*, (94), *amplipennis* f. 18, *alboguttatus* f. 19, (95), *rufomaculatus* f. 20, *rugicollis*, *vicinus*, (96), *nitidicollis* f. 21, *albovariegatus* f. 22, (97), *excavatus* f. 23, *maculiceps* f. 24, *coarctatus* f. 25, (99), *centrosignatus*, *parilis*, (100), *ochreoguttatus* f. 27, *extritus*, (101), *disparilis*, *quadripunctatus* f. 28, (102), *nitidiusculus* (103), *sticticus* f. 29, *bicolor* f. 30, (104), *analis* f. 31 (105), *infusus* (106) pl. vii f. 1, *festinus* f. 2, (107), *albeterminatus* f. 4, *porcatus* f. 5, (108), *durangoanus* f. 6, *flavofasciatus* f. 7, (109), **spp. n.**, Centr. America; *L. vestitus* Boh. (99) pl. vi f. 26, *auritus* Hell. (106) f. 32, *paroticus* Pasc. (107) pl. vii f. 3, CHAMPION Biol. Centr. Amer. Col. 4 pt. 5.

Leptops; revision and table (313-354), *parvicornis* (333), *cacozelus*, *hercules*, (334), *elongatus* (335), *amplipennis* (336), *frenchi* (337), *rudis*, *nivens*, (338), *conceviceps* (339), *cinerascens* (340), *orthodoxus* (341), *fraterculus* (342), *multinodosus*, *squamosus*, (343), *rostralis* (344), *T-squameus* (346), *gladiator*, *laticollis*, (347), *fasciculatus* (348), *globicollis* (349), *interruptus* (350), *regularis*, *nigropunctatus*, (351), *hirsutus* (352), *phymatodis*, *crassirostris*, (353), **spp. n.**, Australia, LEA Bruxelles Ann. Soc. ent. Belgique 50.

Liparus; revisione delle italiane, GRANOLI Rivista Col. ital. 4 (241-256).

Lissoderes **gen. n.** *Zygopina* (47), *subnudus* **sp. n.** Panama pl. iii f. 24 (48), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.

Lixus; of Germany, SCHENKLING Insektenbörse 23 (34-35), Bemerkung dazu von Ernst von Dombrowski T.c. (60). — *L. zaitzevi*, *fasciatus*, **spp. n.** Russisch Asien, PETRI Rev. russ. ent. 6 (64-66). — *L. iridis*, GIREAUDEAU

Feuille jeunes natural. 36 (167). — *L. caroli* **sp. n.** Transvaal, HARTMANN (76) D. ent. Zs. Berlin 1906.

Loboderinus **gen. n.** *Barini* (436), *clavatus* (437), *basalis* (438), **spp. n.** Brasile, SOLARI Genova Ann. Mus. 42, **spp. n.**

Macrolechriops **gen. n.** (126), *spinicoxis* **sp. n.** (127) pl. viii f. 6 Mexico, CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.

Macroptatus **gen. n.** *Centrinides* (46), *championi* **sp. n.** Costa Rica (48), HELLER Stettiner ent. Ztg. 67.

Macroterrhus **nom. n.** for *Macroterarsus* Sch., BEDEL (93) Paris Bull. Soc. ent. 1906.

Madarellus gibbicollis Brasile (423), *ruficollis* Peru, *caseyi* Nicaragua (424), *fausti* Peru (425), *rufescens*, *maculatus*, Brasile, *mexicanus* Sierra Durango, (426), *albofasciatus* Amazzone (427), *albonotatus* Brasile (428), SOLARI Genova Ann. Mus. 42, **spp. n.**

Magdalinus; life histories, XAMBEU (42-45) Naturaliste 1906.

Mantias **gen. n.** *Cryptorhynchides*, *gracilitarsis* **sp. n.** pl. xxix f. 28 Panama, CHAMPION (606) Biol. Centr. Amer. Col. 4 pt. 4.

Mecaspis cf. *Aphaenicus*.

Mecinus hesteticus Sicilia, VITALE (134) Natural. Sicil. 18, **sp. n.**

Megarhinus longirostris **sp. n.** Transvaal, HARTMANN (80) D. ent. Zs. Berlin 1906.

Meira; synopsis des français, *stierlini* **nom. n.** pro *crassicornis* Seidl., SAINTE-CLAIRE DEVILLE Abeille 30 (258-260). — *M. gracilentia* Algeria (16), *minuscule* (17), *amplicollis* (18), Tunis, *fallens* (19) Algeria, **spp. n.**, *validicornis* **nom. n.** for *crassicornis* Desb. (20), DESBROCHERS Frelon 14.

Miarus mayeti, *degorsi*, (171), **spp. n.**, *campanulae* var. *ursinus* n. var. (172), ABEILLE Paris Bull. Soc. ent. 1906.

Microzurus rhombus Hell. pl. vi f. 9; *M. trinotatus* f. 10, *edentatus* f. 11, **spp. n.**, Panama, CHAMPION (89) Biol. Centr.-Amer. Col. 4 pt. 5.

Microzygops **gen. n.** *Zygopina*, *nigrofasciata* **sp. n.** Panama pl. iii f. 22, CHAMPION (46) T.c.

Misophrice squamiventris (74), *gloriosa*, *apionoides*, (75), *inflata* (76), *nigripes*, *amplicollis*, (77), *vicina* (78), Australia or Tasmania, LEA Adelaide S. Aust. Trans. R. Soc. **30**, **spp. n.**

Mnemymurus caloderes, Hell. pl. iii. f. 27 (50), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.—*M. ignifer* pl. iii f. 23 (50), *phoenicoderes* f. 29, *erythroideres* f. 30 (51), *poeciloderes* pl. iv f. 1, *longispinis* f. 2 (52), Central America, CHAMPION T.c., **spp. n.**

Mycetides imberbis (100), *balaninirostris* (101), Queensland, LEA Adelaide S. Aust. Trans. R. Soc. **30**, **spp. n.**

Mylacus Ptochus; und verwandte; Bestimmungstabelle, REITTER Brünn. Verh. Natf. Ver. **44** (208-256).—*M. crinitus* Daniel (215) **sp. n.**, *brancsiki* Süddalmatien (218), *cupripubens* (222) Hocksyrien, *desbrocheri* (222) Algier, *formaneki* Corfu (218), *helleri* Attica (220), *sanderi* Olymp. (217), *villosus* Kleinasien (217), **spp. n.**, REITTER T.c.

Myllocerus; Arthbüersicht; *obockianus* **sp. n.** (244), *pici* **sp. n.** Merv (250); REITTER T.c.

Myllocerops **gen. n.** für *psitacinus* Redt., REITTER T.c. (253).

Nanophyes durieui, gall, Morocco, HOARD (32-38) Marcellia **5**.—*N. morulus* (135), *metallicus* (136), Sicilia, VITALE Natural. sicil. **18**, **spp. n.**

Neodesmosomus **gen. n.** near *Cholus*, *helleri* **sp. n.** Brazil, DESBROCHERS (370) Bruxelles Ann. Soc. ent. Belgique **50**.

Nertocholus **gen. n.** near *Erethistes* (24), *fascialis* **sp. n.** Espirito Santo (25) HELLER Stettiner ent. Ztg. **67**.

Noctivius **subg. n.** of *Cleonus* for *segnis* Germ. etc., DESBROCHERS (70) Frelon **14**.

Notaris wyomingensis **sp. n.** N. America, CHITTENDEN 115) New York J. Ent. Soc. **14**.

Notophus **gen. n.** near *Cholus*, *subincostratus* **sp. n.** Cayenne, DESBROCHERS (365) Bruxelles Ann. Soc. ent. Belgique **50**.

Oarius **gen. n.** *Phyllobiides*, *griseascens* **sp. n.** Asia minor, DESBROCHERS (20) Frelon **14**.

Ocladius caroli **sp. n.** Transvaal, HARTMANN (82) D. ent. Zs. Berlin **1906**.

Odontocholus **gen. n.**, *flaviventris* **sp. n.** (hab. not given), DESBROCHERS (367) Bruxelles Ann. Soc. ent. Belgique **50**.

Omileus epicaeroides, SANDERSON (210) Ent. News **17**.

Onychobaris punctatissima Mexico (420), *nicaraguensis* Managua, *dentibia* Amazzoni, (421), *armipes* Goyaz (422), SOLARI Genova Ann. Mus. **42**, **spp. n.**

Orchestes quercicola Italia, FIORI (204) Riv. Col. ital. **4**, **sp. n.**

Orthochactes tissoni France **sp. n.**, (23); the species of France (24); DESBROCHERS Frelon **14**, also (101) Nîmes, Bull. Soc. étud. **33**.

Otiorrhynchus idonis Albanien, *sturanyi* Montenegro, (1673), **spp. n.**, APFELBECK Wien SitzBer. Ak. Wiss. **115** Abt. 1.—*O. cribrirostris* Abruzzo, LEONI (108) Riv. Col. ital. **4**, **sp. n.**—*O. caesareus* Asia minor, DANIEL (281) Wien Ann. Hofmus. **20**, **sp. n.**—*O. pici* (87), *scobinatus* (88), Algeria, SOLARI Genova Ann. Mus. **42**, **spp. n.**—*O. sirentensis* Monte Sirenti, AMORE Riv. Col. ital. **4** (117-119), **sp. n.**—*O. (Arammichnus) syracusanus* **sp. n.** Sicilia, FIORI Natural. sicil. **18** (204-206).—*O. (Tournieria) antarelicus*, STIERLIN (45) pl. i f. 8. Résult. Belgica, Zoologie.

Paracyclomaurus seriatellus Algeria, DESBROCHERS (7) Frelon **14**, **sp. n.**

Parahornia **nom. n.** for *Wollastoniella* [vide infra] COCKERELL (349) Ent. News **17**.

Paramnemyme decemcostata Panama, pl. iii f. 25 (48), *pulchella* Guatemala, f. 25 (49), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.

Paraplinthus shermani **sp. n.** North Carolina, FISKE (31) Washington Proc. Ent. Soc. **8**.

Paratrachyploeus reichiei Seidl. (as *Trachyploeus*) = (*variegatus* Desbr.), SOLARI (94) Genova Ann. Mus. **42**.

Peltophorus polymitus Boh. pl. ii f. 8 (20), *jordani* Hell. f. 10 (21); CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.

Peridiraeus punctatus, *insolitus*, Brazil, DESBROCHERS (366) Bruxelles Ann. Soc. ent. Belgique **50**, **spp. n.**

Perieges humeralis Buchara, PIC (34) *Echange* 22, sp. n.

Peritelus quadraticollis Spain, DESBROCHERS (22) *Frelon* 14, sp. n.

Perperus malevolens Tasmania, LEA (71) *Adelaide* S. Aust. Trans. R. Soc. 30, sp. n.

Peuceron gen. n., *alboguttatus* sp. n. Mexico pl. xxx f. 22 (= *Acalles alboguttatus* Chev. i. l.); CHAMPION (619) *Biol. Centr.-Amer. Col.* 4 pt. 4.

Phace gen. n. near *Heterobothrus* (614), *pilimanus* pl. xxx f. 13, *egena* f. 14, *scutellaris* f. 15, (615), *polochicae* f. 16, *dentipes*, (616), *duplex*, *carinirostris* f. 17, *binodosa* f. 18, (617), *cinctuta* f. 19, *leucogramma* f. 20, (618), *striatipennis* f. 21, (619), Central America, spp. n., CHAMPION T.c.

Phalias gen. n. *Cryptorhynchides* (604), *laticrus* sp. n. Panama pl. xxix f. 26 (605), CHAMPION T.c.

Phileas gen. n. near *Timorus*, *granulatus* sp. n. Mexico pl. iii f. 2, (34), CHAMPION Op. cit. pt. 5.

Philenis gen. n. near *Copturus*, *flavipes* pl. iii f. 18, (43), *flavofemorata* f. 19 (44), spp. n., Panama, CHAMPION T.c.

Philides gen. n. *Zygopina*, *anthonomoides* sp. n. Panama pl. viii f. 10, CHAMPION (122) T.c.

Philinna gen. n. (128), *bicristata* sp. n. Guatemala (129) pl. viii f. 9, CHAMPION T.c.

Philonis gen. n. near *Eubulus*, *inermis* sp. n. pl. xxix f. 24 Central America, CHAMPION (603) Op. cit. pt. 4.

Phyllobius kleckii sp. n. Rumänien; *glauca* Scop. var. n. *fuscifumosa* Sibirien; REITTER *Entomol. Ztg. Wien* 25 (253).

Phytonomus viridis Valencia, REITTER (378) *Madrid Bol. Soc. esp. Hist. nat.* 6, sp. n.

Piazelechirops gen. n. *Zygopidarum* (44), *bicristatus* sp. n. Peru (45) pl. i f. 7, HELLER *Stettiner ent. Ztg.* 67.

Piazurus bufo Peru (42), *delicatus* Amazons (37), *deplanatus* Peru (36), *spretus* Nicaragua, *sulphuriventris* Costa Rica, (39), *P. (Pseudopiazurus subgen. n.) centralamericus* Costa Rica (40), *P. (Pseudopinarus subgen. n.) rana* Costa Rica (41), spp. n., HELLER

T.c.—*P. caprimulgus* Oliv. pl. i figs. 19–21 (12), *spretus* Hell., f. 22 (13), *succivus* Boh. f. 24 (14), *maculipes* Gyll. figs. 25–28, varr. and synonymy (15), *sulphuriventris* Heller f. 30 (16), *melanostictus* Boh. pl. ii f. 2 (17), *alternans* Kirsch f. 3, *condyliatus* Boh. f. 4, *rana* Heller f. 5, (18), *centrali-americanus* Heller f. 7 (19); *P. trifoveatus* pl. i f. 17, *plagiatus* f. 18, (11), *helleri* f. 23 (13), *pallidicinctus* f. 20 (16), *stigmaticus* f. 31 (17), *quadratus* pl. ii f. 6 (19), Central America, spp. n., CHAMPION *Biol. Centr.-Amer. Col.* 4 pt. 5.—*P. ephippiatus* Panama pl. viii f. 11 sp. n. (130), CHAMPION *Biol. Centr. Amer. Col.* 4 pt. 5.—*P. floridanus* sp. n. Florida, FALL (61) *Philadelphia Trans. Amer. Ent. Soc.* 32.

Plinthus angustus sp. n. Kaukasus, REITTER D. ent. Zs. 1906 (450).

Poecilogaster brevis Hell. pl. iii f. 20 (45) CHAMPION *Biol. Centr.-Amer. Col.* 4 pt. 5.

Polyderceus gen. n. for *Polyderces luctuosus* Chev., HELLER (28) *Stettiner ent. Ztg.* 67.

Pseudobaris callosipennis Costa Rica (431), *stigmatica* (432), *gigantea*, Sierra Durango, *cribrella*, (433), *ocellata* Costa Rica, *parallelepennis* Sierra Durango, (434), *cribripennis* Nicaragua (435), *costaricensis* Costa Rica (436), SOLARI *Genova Ann. Mus.* 42, spp. n.

Pseudocholus gen. n., *biplagiatus* sp. n. Costa Rica, DESBROCHERS (366) *Bruxelles Ann. Soc. ent. Belgique* 50.

Pseudolechirops gen. n., *megacephalus* sp. n. Guatemala pl. vi f. 12, CHAMPION (90) *Biol. Centr.-Amer. Col.* 4 pt. 5.

Pseudopiazurus subg. n. of *Piazurus* for *P. obesus* Boh., etc., HELLER (32) *Stettiner ent. Ztg.* 67.

Pseudopinarus subg. n. of *Piazurus* (34), for *obesus* and *defectus* Boh., and *centraliamericanus* sp. n. Costa Rica (40), HELLER *Stettin ent. Ztg.* 67.

Psomus caseyi (127), *quadrinotalus* pl. viii f. 7, *violaceus* f. 8, (128), Central America, CHAMPION *Biol. Centr.-Amer. Col.* 4 pt. 5, sp. n.

Ptinopsis gen. n. near *Oopterinus* (723), *floccosus* sp. n. Guatemala pl. xxxv f. 25 (724), CHAMPION Op. cit. pt. 4.

Ptochella gen. n. für *latirostris* Faust, REITTER Brunn Verh. Natf. Ver. 44 (240).

Ptochus koltzei Tibet (239), *nigropilosus* Turkestan (230), *obliquesignatus* Tibet, *potanini* Nordchina, (232), *squamosus* Araxesthal (235), spp. n., REITTER T.c.

Ptous gen. n. *Cryptorhynchides* (632), *otidocephalinus* sp. n. Nicaragua pl. xxxi f. 7 (633), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4.

Rhadinocerus dispar sp. n. Transvaal, HARTMANN (83) D. ent. Zs. Berlin 1906.

Rhigopsidius gen. n. *Rhytinorrhinidae* (7), *tucumanus* sp. n. Argentina (8) pl. i f. 3, HELLER, Stettiner ent. Ztg. 67.

Rhynchites cylindricollis (82), *flavipes* (80), *gracilicornis* (81), *rostri* (79), spp. n., Japan, SCHILSKY in Küster and Kraatz Käfer Europas 42, *R. scariatopilosus*, Kashmir sp. n., Id. op. cit. 43, (26).

Rhynchodynamis subgen. n. cf. *Dynamis*.

Rhynchophorus ferrugineus, natural history, BANKS (154-158) pl. vi-viii Philipp J. Sci. 1.

Rhypodillus nom. n. for *Rhyppodes* Horn, COCKERELL (243) Ent. News 17.

Salbachia gen. n. für *Corigetus dorsalis*, REITTER Brunn Verh. Natf. Ver. 44 (241).

Scedasus gen. n. *Cryptorhynchides*, *muricatus* sp. n. Panama pl. xxix f. 27, (605), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4.

Sciaphilus pruinosus Desbr., Umänderung in *Desbrochersella pennata*, REITTER Brunn Verh. Natf. Ver. 44 (211).—*S. sulcirostris* Chevr., Zugehörigkeit zu *Brachysomus*, FORMANEK Entomol. Ztg. Wien 25 (38).—*S. psittacinus* è sinonimia di *abbreviatus*, AMORE Natural sicil. 18 (193-194).

Sciobius; monograph, *cultratus* (243) pl. xviii f. 1, *cinereus* (244) f. 3, *obesus* (245) f. 2, *cognatus* (247) f. 6, *opalinus* (248) f. 4, *oncili* (252) f. 5, *planipennis* (253) f. 7, *tenuicornis* (255) f. 9, *barkeri* (257) f. 8, *spatulatus* (262) f. 10, *peringueyi* (263) f. 11, *viduus* pl. xix f. 1, *pondo* f. 3, (264), *angustus* (267) f. 2, *panzanus* f. 4, *schonlandi* f. 6,

(268), *viridis* (269) f. 7, *nanus* f. 9, *prasinus* f. 5, (270), *vittatus* (271) f. 8, *arrowi* f. 10, *horni* f. 11, (272), spp. n., S. Africa, MARSHALL London Proc. Zool. Soc. 1906.

Sclerosomus atomarius, *obliteratus*, Brazil, DESBROCHERS (368) Bruxelles Ann. Soc. ent. Belgique 50, spp. n.

Semnorhynchus planirostris pl. xxxi f. 1 (628), *tristis* f. 2, *fulvopictus* f. 3, (629), *fulvifrons* (630), Central America, CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4, spp. n.

Sharpia imbricata Bagdad, DESBROCHERS (10) Frelon 14, sp. n.

Solenobaris gen. n., *decipiens*, (102), *edentata* (103), spp. n., Queensland, LEA Adelaide S. Aust. Trans. R. Soc. 30.

Spartecerus trisulcatus sp. n. Transvaal, HARTMANN (71) D. ent. Zs. Berlin 1906.

Spermophagus japonicus sp. n. Tokoi, (94), SCHILSKY in Küster and Kraatz Käfer Europas 42.

Sphenophorus eliconensis Sicilia, VITALE (133) Natural. Sicil. 18, sp. n.

Sphenus gen. n. for *Homalonotus validus*, *perplexus* sp. n. Cayenne, DESBROCHERS (368) Bruxelles Ann. Soc. ent. Belgique 50.

Strophomorphus nigrinus Asia Minor, DESBROCHERS (12) Frelon 14, sp. n.

Strophosomus concinnus sp. n. Transvaal, HARTMANN (68) D. ent. Zs. Berlin 1906.

Sysciophthalmus gen. n. *Tanymecidarum* (5) *bruchi* sp. n. Argentina (6) pl. i figs. 1 and 2, HELLER Stettiner ent. Ztg. 67.

Tachygonus laticrus pl. viii f. 12, *quinquedentatus* f. 13, (132), *curvicrus* f. 14, *semirufus* f. 15, (133), *nigrocrisatus* f. 16 (134), *bifasciculatus* f. 18, *pectinisquamis* f. 19, (135), *caseyi* f. 21, *sinuaticrus* f. 22, (136), n. spp., Central America, *fasciculosus* Boh. f. 17 (134), *rhombus* Casey fig. 20 (136), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.

Thylacites humilis Sicilia, VITALE Natural. Sicil. 18, sp. n.

Timorus suturalis Ros. pl. iii f. 1 (33), CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.

Titinia laeta and *ignaria* distinguished, BLACKBURN (323) *Adelaide* S. Aust. Trans. R. Soc. 30.

Trachalus gen. n. *Cryptorhynchides* (631), *micronychus* sp. n. Central America pl. xxxi f. 6 (632); CHAMPION, Biol. Centr.-Amer. Col. 4 pt. 4.

Trachyploeus cinereus (90), *proximus* (91), *brevicornis* (92), Tunisia, *apuanus* Etruria (93), SOLARI Genova Ann. Mus. 42, spp. n.—*T. proletarius* Sicilia, VITALE (131) Natural. sicil. 18, sp. n.

Trichodocerus; (713); *T. spinolae* pl. xxxv f. 13 (714); *T. brevilineatus* sp. n. Centr. America figs. 14 and 15 (714); CHAMPION Biol. Centr.-Amer. Col. 4 pt. 4.

Triglyphulus nom. n. = *Triglyphus* Lec., COCKERELL (243) Ent. News 17.

Troezon gen. n. *Cryptorhynchides* (606), *encaustus* sp. n. Panama pl. xxix f. 29 (607), CHAMPION Biol. Centr. Amer. Col. 4 pt. 4.

Tynnichus gen. n. *Cryptorhynchides* (712), *tennicostatus* sp. n. Panama pl. xxxv f. 12 (713), CHAMPION T.c.

Tyrannion unipustulatus pl. xxx f. 12, *curtipennis* pl. xxix f. 19, *albosignatus* f. 20, (601), *breviculus* f. 21, *agnatus* f. 22, (602), *basalis* f. 23 (603), Central America, CHAMPION T.c., spp. n.

Ulosomus horribilis pl. xxxv f. 8 (710), *spinulosus* f. 9, *hispidus* f. 10, *hirsutulus*, (711), Central America; CHAMPION T.c., spp. n.

Wollastoniella nom. n. = *Wollastonia* Horn, COCKERELL (243) Ent. News 17.

Zurus sanguinicollis pl. vi f. 5, *coccinatus* f. 6, (87), *maculicollis* f. 7, (88), Central America, spp. n.; *Z. auri-villianus* Hell. (88) pl. vi f. 8; CHAMPION Biol. Centr.-Amer. Col. 4 pt. 5.

Zygops adustus sp. n. Arizona, FALL (61) Philadelphia Pa. Trans. Amer. Ent. Soc. 32.—*Z. vitticollis* Desbr. pl. ii f. 12 (24), *mexicana* Boh. f. 15 (25), *histrion* Boh. f. 16 (26), *tridentata* Gyll. f. 22, *maculipes* Desbr. f. 23, (29), *sobrina* Gyll. f. 26 (31); *Z. rufitorquis* pl. ii f. 11 (23), *rufomaculata* f. 13, *erythropygus* f. 14, (24), *maculiventris* f. 17, (26), *quadridentata* f. 18, *amoena* f. 19, (27), *dissecta* f. 20, *sellata* f. 21, (28), *catuleuca* f. 24, *trivittata*

f. 25, (30), Central America, spp. n.; CHAMPION Biol. Centr.-Amer. 4 pt. 5.

Zygopsella gen. n., *ruficauda* sp. n. pl. iii f. 16 Guatemala, CHAMPION (42) T.c.

The following Curculionidae have been previously recorded in the Zoological Record.

(*Alophus weberi* sp. n., Steiermark, PENECKE, Entomol. Ztg. Wien, 20, 1901, (11–21).—*Alophus hilfi* sp. n. Bosnien with *apfelbecki* Stierl. in litt. var. n., Herzegowina, REITTER Entomol. Ztg. Wien, 21, 1902, (1–9).)

(*Anepigraphocis* gen. n. for *A. basiventris* Lea, *A. basiventris*, Swan R., W. Australia, LEA, Sydney, N.S.W., Proc. Linn. Soc., 30, (246).)

(*Anonychus striatus*, *argus*, N. W. Australia, *pachypus*, Swan River, LEA, (253–258), spp. n., T.c.)

(*Apion leonhardi*, Herzegowina, REITTER, Entomol. Ztg. Wien, 22, 1903, (178), sp. n.—*Apion formosus* sp. n., Madagascar, BEGUIN-BILLECOQ, Paris, Bul. soc. ent., 1905, (45).—*A. nitidirostra*, *madecassum*, *pullum*, *blatta*, *bellum*, *amboromense*, *androicum*, *beauchenei*, *ceratum*, *pluto*, *postscutatum*, *mauriti*, *erythræum*, *Philippi*, *perrieri*, *unicum*, *setulosum*, *tessellatum*, *Rhinapion* n. subgen., *oblique-striatum*, *insigne*, *pauvilum*, *pseudapricans*, *Apiotherium* n. subg., *albonigrum*, *suturale*, *sternale*, *navicula*, *mitissimum*, *barbatum*, *puncticolle*, *tunefactum*, *tetrum*, *fastidiosum*, *exiguum* spp. n., BEGUIN-BILLECOQ, Paris, Ann. soc. ent., 74.—*A. violaceum*, Nota biologica, STEFANI PEREZ, Naturalista sicil., Palermo, 17, (177–179).—*A. insulare*, *albosquamosum*, *formosus*, (*Aspidapion*) *madagascariense*, *inornatum*, *alluardi*, *bouvieri*, *malgasicum*, *bicarinatum*, *denudatum*, *pamanzianum*, BEGUIN-BILLECOQ, Paris, Bul. soc. ent., 1904, (31–57), spp. n.)

(*Bleptocis* gen. n. for *B. collaceratus*, LEA (247), *B. collaceratus*, N.S.W., sp. n. (248), LEA, Sydney, N.S.W. Proc. Linn. Soc. 30.)

(*Bradybatus nothops raulogeri*, BEDEL, Paris, Bul. soc. ent., 1905, sp. n.)

(*Cleonus superciliosus*, BEDEL, Op. cit. 1903, sp. n.—*C. saintpierrei*, Entwicke-

lungsgeschichte, REITTER, Entomol. Ztg., Wien, **22**, 1903, (235–236.)

(*Episodiocis* gen. n., (for *E. microderes* Lea) *E. microderes*, Clarence R., N.S.W., sp. n., LEA, Sydney, N.S.W., Proc. Linn. Soc., **30**, (244–245).)

(*Foucartia burghauseri* sp. n., Kroatien, REITTER, Entomol. Ztg., Wien, **24**, 1905, (247).)

(*Lixus coloratus* Alexandergebirge, Sibirien, sp. n., (194), *laufferi* nom. n. fur *lateralis* Brisout, (109), *furcatus longicollis*, Syrien, (48), *vibex scutellaris*, Centralasien, (104), *Lixus punctiventris laticollis*, Kaukasus, (160), *elongatus oblongus*, Altai, (161), *bardanae scutulatus*, Ungarn, (166), *bardanae paulmeyerii*, Centralasien, (166), *iridis tauricus*, (192), *iridis levantinus* (192), *iridis conformis*, Korsika, (192), *iridis caucasicus*, (192), *iridis brevicandis* (192), *iridis balearicus*, Serbien, (193), *iridis asiaticus*, Transkaspien, Persien, (193), *imitator eylandii*, Transkaspien, (195), var. n., PETRI, Entomol. Ztg., Wien, **23**, 1904.)

(*Mecysolobus* gen. n., *lixoides*, Amurgebiet sp. n., (248), REITTER, Entomol. Ztg., Wien, **24**, 1905, (248).)

(*Metallites aquisextonus*, AREILLE DE PERRIN, Paris, Bul. soc. ent., **1904**, (280–282), sp. n.)

(*Neomystocis* gen. n. (for *N. squamiventris*, Lea), *N. squamiventris* Queensland, (243), LEA, Sydney, N.S.W., Proc. Linn. Soc., **30**, (242).)

(*Otiorrhynchus claviger*, sp. n., Steiermark, PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21).—*O. apfelbecki* and *stenorostris*, Verbreitung, PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21).—*O. leonhardi*, Herzegowina, REITTER, Entomol. Ztg., Wien, **22**, 1903, (229), sp. n.—*O. caudatus* Rossi *laetifactor* (*Cerorrhynchus*) *niveopictus bellicomus*, REITTER, Entomol. Ztg., Wien, **21**, 1902, (1–9).—*O.* subgen. *Limatogaster* Apfelb., Artübersicht, (213). (*Limatogaster*) *darius* (214), *lasioscelis* (215), Dalmatien, spp. n., (*Limatogaster*) *darius donabilis*, Südbosnien, (*Limatogaster*) *pachyscelis* Strl. *nyctelius*, Südkrain, varr. n., REITTER, Entomol. Ztg., Wien, **22**, 1903, (214–215).)

(*Pantorhytes granulatus*, *subcostatus*, Süd-Est Island, (Luisiaden), Woodlark

Insel, HELLER, Entomol. Ztg., Wien, **24**, 1905, (305–310), spp. n.)

(*Perichus gracilis*, Barron Falls, Queensland, LEA, Sydney, N.S.W., Proc. Linn. Soc., **30**, (241), sp. n.)

(*Plagiographus saintpierrei* Chevrl., Entwicklungsgeschichte, REITTER, Entomol. Ztg., Wien, **22**, 1903, (235–236).)

(*Piezotrachelus alluandi* sp. n., Madagascar, BÉQUIN-BILLECOQ, Paris, Bul. Soc. ent., **1903**, (285–286).)

(*Polydrusus (Metallites) impar* Goz. var. n. *uranicensis*, Bosnien, REITTER, Entomol. Ztg., Wien, **24**, 1905, (247).)

(*Rhinomias austriacus* and *forticornis*, Verbreitung, PENECKE, Entomol. Ztg., Wien, **20**, 1901, (11–21).)

(*Solariella* subgen. n. *Trogloorhynchus*, FLACH, Entomol. Ztg., Wien, **24**, 1905, (318–319).)

(*Stenopelmus rufimanus* Gyl. (*Degorsia champenoisi* Bed.), BEDEL, Paris, Bul. Soc. ent., **1904**, (23–24).)

(*Trogloorhynchus (Solariella) paganetti*, Kalabrien, FLACH, Entomol. Ztg., Wien, **24**, 1905, (318), sp. n.)

(*Vibertia* gen. n., BEDEL, Paris, Bul. Soc. ent., **1903**, (284–285).)

SOOLYTIDAE.

Leben der Borkenkäfer, NÜSSLIN Karlsruhe, Verh. natw. Ver. **19** (1905–1906) Abh. (47–64).

Generationsfrage der Borkenkäfer, KNOCHE Natw. Zs. Landw. Stuttgart **4** 1906 (265–273).

Schlusswort in der Polemik gegen E. Knoche, NÜSSLIN T.c. (341–344).

Verbreitung und Lebensweise einiger europäischer Borkenkäfer, EGGERS Natw. Zs. Landw. Stuttgart **4** 1906 (281–290).

Die Borkenkäfer Ungarns (ungarisch), CSIKI Rovart. L. Budapest **13** 1906 (47–53, 76–79, 154–156, 170–174, 187–188, 208–211).

Larval integumental structures, LEISEWITZ.

Cisurgus ragusae sp. n. Messina, REITTER Natural. sicil. **18** (241).

Crypturgus mediterraneus Eich., BARBEY Natw. Zs. Landw. 4 (217-220).

Dendroctonus brevicornis, natural history, WEBB Washington D.C. Bull. U. S. Dep. Agric. Ent. 58 pt. 2.

Dryocoetes tonsus Guiana, HAGEDORN (412) Bul. Mus. Paris 1905, sp. n.

Hypoborus ficus, natural history, BARBEY Feuille jeunes natural Paris 36 (93-97).

Scolytus mali Bechst. = (*pruni* Ratz.), BEDEL (93) Paris Bul. soc. ent. 1906.

Thamnurgus semirufus sp. n. Anatolien, REITTER Entomol. Ztg. Wien 25 (36).

Tomicus cryptographus, sexes, natural history, MjöBERG (137-142) Uppsala Ent. Tidskr. 27. — *T. typographus*, HENNINGS Natw. Zs. Landw. St. 5 (75, 97-125); Kocu Nat. Zs. Landw. Stuttgart 4 (158-160); PAULY Natw. Zs. Landw. Stuttgart 4 (160-164). — *T. typographicus* in Herenwies und Pfullendorf im Jahre 1905, NÜSSLIN Nat. Zs. Landw. Stuttgart 4 1906 (4-22).

Xyleborus politus, *geayi*, (413), *productus*, *tumucensis*, *perversus*, (414), *solitarius* (415), Guiana, spp. n., *rufithorax* var. n. *nigricollis* (413), HAGEDORN Bul. Mus. Paris 1905.

(*Xyleborus keuselti*, Ostsibirien, REITTER, Entomol. Ztg., Wien, 24, 1905, (250), sp. n.)

BRENTHIDAE.

Zemioses setosus sp. n. Neu-Guinea, SCHÖNFELDT Nova Guinea 5 Livr. 1 (35).

ANTHRIBIDAE.

Allandrus angulatus Panama (319) pl. xi f. 4, JORDAN Biol. Centr.-Amer. Col. 4 pt. 6, sp. n.

Anthrribus fasciatus Forst., Variabilität, VARENDORFF Entomol. Ztg. Wien 25 (212).

Araeoderes gen. n. near *Euparius* (275), *texanus* sp. n. Texas (276), SCHAEFFER Philadelphia Trans. Amer. Ent. Soc. 32.

Barridia gen. n., *corticina* sp. n. pl. x f. 21 Guatemala, JORDAN (314) Biol. Centr.-Amer. Col. 4 pt. 6.

Brachylarsus ornatus (276), *riddelliae*, *nigromaculatus*, Arizona, *beyeri* Lower California, SCHAEFFER Philadelphia Trans. Amer. Ent. Soc. 32, spp. n. — *B. tessellatus* = (*fallax* Perr.), *arcolatus* Boh. = (*pardalis* Woll.), BEDEL (93) Paris Bul. soc. ent. 1906.

Brevibarra gen. n. (312), *scotosagis* sp. n. Panama pl. x f. 20 (313), JORDAN Biol. Centr.-Amer. Col. 4 pt. 6.

Corrhecerus belti Nicaragua, JORDAN (354) T.c., sp. n.

Cratoparis; synonym of *Euparius*, JORDAN (345) T.c.

Cybosoma gen. n. near *Ormiscus*, *grande* sp. n. Guatemala pl. xiii f. 21, JORDAN (361) T.c.

Discotenes lutosus pl. x f. 12, *imitans* f. 13, (309), *cylindricus* f. 14, *picticollis* f. 15, (310), *affinis* f. 16 (311), Central America, JORDAN T.c., spp. n.

Domoptolis championi Panama pl. xi f. 18 (340), JORDAN T.c.

Eucyclotropis pylades Jord. pl. x f. 17 (311) *E. barynotus* f. 18, *gibbosus* f. 19, (312), spp. n., Central America, JORDAN T.c.

Eugonops championi Guatemala pl. xiii f. 20 (361), JORDAN T.c., sp. n.

Eugonus decorus, Nicaragua (351) pl. xiii f. 10, JORDAN T.c., sp. n.

Euparius; synonymy (345), *E.* (as *Cratoparis*) *tapirus* (346), *polius* Jord. pl. xiii f. 3 (347), *similis* Jord. f. 1 (348), *thoracicus* Fähr. (as *Cratoparis*) pl. xiii f. 7 (349); *E. dermestinus* pl. xiii f. 2, *suturalis* f. 4 (348), *coelebs* f. 5, *ochrus* f. 6, (349), *frenatus* f. 8, *championi* f. 9, (350), Central America, spp. n., JORDAN T.c. — *E. subteselatus* sp. n. Arizona, SCHAEFFER (274) Philadelphia Trans. Amer. Ent. Soc. 32.

Eusphyrus circulus pl. xiv f. 11, *bicolor* f. 12, (372), *unicolor* f. 13, *scutosus* f. 14, *ros* f. 15, (373), *rectus* f. 16, *lioderus* f. 17, *laevicollis* f. 18, *mucronatus*, (374), *tonsor*, *dilutus*, *fragilis* f. 19, *vestitus* f. 20, (375), *rugicollis* f. 21, *analisis* f. 22, *simplex*, (376), *irpex* f. 23, *tenuis* f. 24, *insignis* f. 25, (377), *minax* (378), Central America, JORDAN Biol. Centr.-Amer. Col. 4 pt. 6, spp. n. — *E. rectus* (271), *arizonensis* (272), N. America, SCHAEFFER Philadelphia Trans. Amer. Ent. Soc. 32, spp. n.

Goniocloeus umbrinus Jord. pl. xi f. 27, *orbitalis* Lac. (as *Stroboscopus*) f. 28, (324), *niger* Jord. (as *Monocloeus*) f. 30 (325), *tarsalis* Jord. pl. xii f. 1 (326), JORDAN Biol. Centr.-Amer. Col. 4 pt. 6; *G. funereus* pl. xi f. 29 (324), *tholerus*, *fractus*, *carbonarius*, (325), *laticeps*, *politus* pl. xii f. 2, (326), *mericanus* f. 3, *inversus* f. 5, (327), *curcatus* f. 4, *silvanus* f. 6, *linifer* f. 7, (328), *reflexus* f. 8, *nanus* f. 9, *pumilus* f. 10, (329), *pusillus* f. 11, *icas* f. 12, *ornaticeps* f. 13, (330), *insignis* f. 14, *parvulus* f. 15, (331), Central America, JORDAN T.C., **spp. n.**

Griburiusoma **gen. n.** near *Phaeniton* (272), *platanum* **sp. n.** Arizona, (273), SCHAEFFER Philadelphia Trans. Amer. Ent. Soc. 32.

Gymnognathus scalaris pl. xi f. 7 (336), *claudia* f. 8, *polius* f. 9, (337), *campulla* f. 11, *thecla* f. 12, *mexicanus* f. 13, (338), *abundans* f. 14, *ruficlava* f. 15, *calus* f. 16, (339), *pulcher* f. 17 (340), **spp. n.**, Central America; *G. femoralis* Jord. pl. xi f. 10 (337), JORDAN Biol. Centr.-Amer. Col. 4 pt. 6.

Habrisnus sellifer Nilgiri hills, JORDAN (409) Nov. Zool. Tring 13, **sp. n.**

Hiera **gen. n.** near *Homocloeus*, *oculata* **sp. n.** Guatemala pl. xii f. 16, JORDAN (382) Biol. Centr. Amer. Col. 4 pt. 6.

Homocloeus concolor Jord. pl. xi f. 25, *femoralis* f. 26, JORDAN (333) T.C.; *H. pardalis* pl. xi f. 23, *puncticollis* f. 24, (333), *xanthopus* (334), JORDAN T.C., **spp. n.**

*Hypselotropis albatu*s Jord. pl. x f. 6, (304), JORDAN T.C.

Ichnocerus impressicollis Jord. pl. x f. 5 (306); *I. consors* pl. x f. 7 (306), *metallicus* f. 8, *championi* f. 9, *griseatus* f. 10, (307), *vittiger* f. 11 (308), Central America, JORDAN T.C., **spp. n.**

Jagopezus inversus pl. x f. 23, *morio* f. 24, Central America, JORDAN (315) T.C., **spp. n.**

Mecocerus allectus elegans subsp. n. JORDAN (408) Nov. Zool. Tring 13.

Monocloeus idactus Jord. pl. xi f. 20; *M. anas* f. 19 (334), *gracilis* f. 21, *lioderes* f. 22, (335), **spp. n.**, Central America, JORDAN Biol. Centr.-Amer. Col. 4 pt. 6.

(N-9720 j)

Neanthribus **gen. n.** near *Anthribus* (311), *championi* pl. xii f. 18 (342), *segregus* f. 19, *hieronymus* f. 20, *obtusus* f. 21, (343), *plagicollis* f. 22, *stephanus* f. 23, *apicalis* f. 24, *grammivorus* f. 25, (344), *pistor* f. 26 (345), **spp. n.** Central America, JORDAN Biol. Centr.-Amer. Col. 4 pt. 6.

Nemotrichus armatus Jord. pl. xii f. 28, *N. angulatus* pl. xii f. 27 (352), *teliger*, *inermis* f. 29, *spiloteus* f. 30, (353), Central America, **n. spp.**, JORDAN T.C.

Ormiscus pardus pl. xiii f. 22, *tigrinus* f. 23, (364), *aequalis* f. 24, *stratus* f. 25, *centralis* f. 26, (365), *laticollis* f. 28, *lateralis* f. 27, *elegans* f. 29, *subtilis* f. 30, (366), *calus* pl. xiv f. 1, *tener* f. 2, *aeneus* f. 3, (367), *minor* f. 4, *namis* f. 5, (368), *nigrinus* f. 6, *brunneus* f. 7, *guttatus* f. 8, (369), *phacomelas* f. 9, *marmoreus* f. 10, (370), Central America, JORDAN T.C., **spp. n.**

Phaenithon championi pl. xiii f. 12 (356), *pollux* f. 11, *castor* f. 13, *discifer* f. 14, (357), *uncinatus* (358), *juvencus* f. 16 (359), *leucospilus* f. 17, *pardalis* f. 18, *caeruleus* f. 19, (360), Central America, **spp. n.**; *P. nigritarsis* Jord. pl. xii f. 15 (359); JORDAN T.C.

Phanoselena arizonica **sp. n.** Huachuca mts. SCHAEFFER (269) Philadelphia Trans. Amer. Ent. Soc. 32.

Phloeocimms **gen. n.** near *Phloeobius*, *griseus* **sp. n.** Burma, JORDAN (409) Nov. Zool. Tring 13.

Phoenicobiella **nom. n.** for *Phoenicobius* Lec., COCKERELL (243) Ent. News 17.

Phoenicobius schwarzii **sp. n.** Texas, SCHAEFFER (273) Philadelphia Trans. Amer. Ent. Soc. 32.

Physopterus analis South India, JORDAN (408) Nov. Zool. Tring 13, **sp. n.**

Piezobarra **gen. n.**, *sparsilis* **sp. n.** Central America pl. x f. 22, JORDAN (314) Biol. Centr.-Amer. Col. 4 pt. 6.

Piezocorynus homoeus Jord. pl. x f. 29 (317), *plagifer* Jord. f. 25 (319), JORDAN T.C.—*P. dimidiatus* pl. x f. 26 (310), *sellatus* f. 27, *lateralis* f. 28, (317), *atratus* f. 30, *occipitalis* pl. xi f. 1, *strigifer* f. 2, (318), *simplex* f. 3 (319), Central America, JORDAN T.C., **spp. n.**—*P. tessellatus* **sp. n.** Arizona,

o 26.

SCHAEFFER (274) Philadelphia Trans. Amer. Ent. Soc. 32.

Pythoderes tricotifrons Fähr. pl. x f. 1, *rugicollis* Jordan f. 2, *mixtus* Jek. f. 3, (303), *biirittatus* Jord. f. 4 (304), JORDAN Biol. Centr.-Amer. Col. 4 pt. 6.

Sintor andrewesi Nilgiri hills, JORDAN (408) Nov. Zool. Tring 13, sp. n.

Stenocerus longulus variation (321), var. *mexicanus* Jek. pl. xi f. 5; *S. platalea* Central America sp. n. pl. xi f. 6 (322); JORDAN Biol. Centr.-Amer. Col. 4 pt. 6.

Tachytropis asper Jord. pl. xii f. 17 (322), JORDAN T.c.

Toxotropis sexuberculatus (269), *eusphyroides*, *quercus*, (270), *albofasciatus* (271), United States, SCHAEFFER Philadelphia Trans. Amer. Ent. Soc. 32, spp. n.

Xenocerus bennigseni New Guinea, sp. n.; *lacrymans herbertus* subsp. n., JORDAN (410) Nov. Zool. Tring 13.

CERAMBYCIDÆ.

Descriptive work on *Cerambycidae* of India, Ceylon and Burma; GAHAN, Faun. Brit. Ind. Col. 1. Includes new groups and remarks on classification.

The *Cerambycidae* of Dalmatia, with remarks on habits, variation, localities, Josef MÜLLER, Wien. Verh. Zool.-bot. Ges 1906 (653-695).

Bohrgänge von Käferlarven in Braunkohlenholz, LINSTOW Briefl. Mitt. Berlin Jahrb. geol. Landesanst. 26 (1905) 1906 (467-470).

Acanista arachnæ New Caledonia, FAUVEL (97) Rev. ent. Caen 25, sp. n.

Acanthocinus brevis New Caledonia, FAUVEL (94) T.c., sp. n.

Acanthophorus serraticornis (24) fig. 9, GAHAN Faun. Brit. Ind. Col. 1.

Aegosoma ornaticolle (45) fig. 17; *terminale* sp. n. Ceylon (49); GAHAN Faun. Brit. Ind. Col. 1.

Aeoleshes basicornis (127) f. 49, GAHAN T.c.

Agelasta; components, correction, GAHAN (117) J. Federated Malay States Mus. 1.

Aglaophis hamerosus (303) f. 98; *watsoni* Burma sp. n. (304); GAHAN Faun. Brit. Ind. Col. 1.

Alphitopola schistacea Transvaal, JORDAN (162) pl. xvi f. 7, Ins. Transvaal by Distant, sp. n.

Amantrostoma subgen. n. von *Obera*, MÜLLER Entomol. Ztg. Wien 25 (223).

Amimes macilentus (100) fig. 39, GAHAN Faun. Brit. Ind. Col. 1.

Anacethis numeensis New Caledonia, FAUVEL Rev. Ent. Caen 25, sp. n.

Anaglyptus (Cyrtophorus) persicus Talysch (297), *simplicicornis* Südrussland (298), REITTER Entomol. Ztg. Wien 25; spp. n.

Ananelytus basalis Malay penins. and Borneo, GAHAN (116) pl. vi f. 12 J. Federated Malay States Mus. 1, sp. n.

Aneyloproctus ligibosus (19) fig. 6, GAHAN Faun. Brit. Ind. Col. 1.

Anoeme andrewesi Nilgiri hills, GAHAN (54) fig. 20 T.c.

Anubis inermis (221) f. 82, GAHAN T.c.

Apatophysis kashmiriana (70) fig. 26; *montana* Himalaya, *modica* Quetta, spp. n., (71); GAHAN T.c.

Aphrodisium planicolle (206) f. 79, GAHAN T.c.

Apioccephalus lichencus India, GAHAN (74) T.c., sp. n.

Apiogaster xanthomelas Transvaal, JORDAN (161) pl. xvi f. 9 sp. n.; *A. collare*, Jord., f. 8; Ins. transvaal by Distant.

Apomecyna chaka Natal, DISTANT (165) Ins. transvaal., sp. n.

Arcyphorus conformis Selangor, GAHAN (112) pl. vi f. 5 J. Federated Malay States Mus. 1, sp. n.

Armatostrongia natalensis Durban, DISTANT (165), Ins. transvaal., sp. n.

Aromia and allies; brief table; REITTER Entomol. Ztg. Wien 25 (303).—*A. moschata* L. varr. n.; REITTER T.c. (275); sexual habits, SLEVOGT Insektenbörse 23 (64).

Artimpaza bicolor (314) f. 103, GAHAN Faun. Brit. Ind. Col. 1.

Astelholea varia, *opacicollis*, *denticollis*, New Caledonia, FAUVEL (45) Rev. Ent. Caen 25, spp. n.

Atossa spilota GAHAN (118) pl. vi f. 13 J. Federated Malay States Mus. **1**, **sp. n.**

Axinopalpus gracilis Krynn., Beschreibung, MÜLLER Entomol. Ztg. Wien **25** (223).

Bacuris **gen. n.** type *Eudesmus sexvittatus* Bates, GOUNELLE (274) Paris Bull. Soc. ent. **1906**.

Baralipion maculosum (42) fig. 15, GAHAN Faun. Brit. Ind. Col. **1**.

Bicon bimaculatum India, GAHAN (310) T.c., **sp. n.**

Blapsilon elongatum, *scutellare*, (61), *cyanipes*, *purpureum*, (62), New Caledonia, FAUVEL Rev. Ent. Caen **25**, **spp. n.**

Blosyropus denatus New Caledonia, FAUVEL (47) T.c., **sp. n.**

Callichromopsis telephoroides (181) f. 71, GAHAN Faun. Brit. Ind. Col. **1**.

Callidium fasciatum Villers, Beschreibung, MÜLLER Entomol. Ztg. Wien **25** (223).

Callimus distinctipes Syrie, PIC (11) Echagne **22**, **sp. n.**

Caloclytus jueundus (263) f. 92; *sagittarius* Ceylon (261), *socius* Darjiling (264), *dohertii* Burma (267), *patricius* Belgam, *cingalensis* Ceylon, (268); GAHAN Faun. Brit. Ind. Col. **1**, **spp. n.**

Cantharocnemis downesi (27) fig. 10, GAHAN T.c.

Capnolymma cingalensis Ceylon, GAHAN (73) fig. 28 T.c.

Caraphia **gen. n.** *Lepturinae*, *eribrata* (75), *minor* (76), **spp. n.**, Burma, GAHAN T.c.

Centrooclytus carinatus Andaman islds. (309) f. 100, GAHAN T.c., **sp. n.**

Ceresium leucosticticum (159) f. 64; *angustum* (158), *modestum* India, *ventrale* Burma, (160), *apicale* Tenasserim, *nilgiriense* India, *andamanicum* Andaman islds., (161), **spp. n.**; GAHAN T.c.—*C. carinatum*, *lanigerum*, (49), *obscurum*, *vulneratum*, *nitidicollis*, (50), *binotatum* (51), New Caledonia, FAUVEL Rev. Ent. Caen **25**, **spp. n.**

Chelidonium gibbicollis (213) f. 80, GAHAN Faun. Brit. Ind. Col. **1**.

(x-9720 j)

Chereutes **gen. n.** type *Eudesmus niceilateris* Thoms., GOUNELLE (272) Paris Bul. soc. ent. **1906**.

Chloridolum nympha (201) f. 77, GAHAN Faun. Brit. Ind. Col. **1**.

Choeromorpha robinsoni Malay penins. and Borneo, GAHAN (117) pl. vi f. 15 J. Federated Malay States Mus. **1**, **sp. n.**

Chremona fortunei Thoms. metamorphosis of (Japanese), KUWANA Knoch. Sek. Gifu **10** 1906 (12-15).

Cleomenes chryseus Burma (317) f. 105, GAHAN Faun. Brit. Ind. Col. **1**, **sp. n.**

Cleptometopus setiger New Caledonia, FAUVEL (99) Rev. Ent. Caen **25**, **sp. n.**

Closteromerus nilens Transvaal, JORDAN (161) pl. xvi f. 12 Ins. Transvaal by Distant, **sp. n.**

Clytellus olesteroides (313) f. 102, GAHAN Faun. Brit. Ind. Col. **1**.

Cly'ocera **gen. n.** near *Rhaphuma* (279), *chionospila* **sp. n.** S. India (280), GAHAN T.c.

Clytus callizonus Burma fig. 91, *monticola* Kashmir, GAHAN (251) T.c., **spp. n.**

Coelosterna rouyeri **sp. n.** Sumatra, RITSEMA Leiden Notes Mus. Jentink **28** (137-138).

Criocephalus exotizus f. 38; *C. (Cephalallus) unicolor* Assam **sp. n.**, GAHAN (97) Faun. Brit. Ind. Col. **1**.

Ctenodes geniculata var. = (*thoracica* Redt.), GOUNELLE (19) Paris Anb. soc. ent. **75**.

Cyclopeplus castaneus pl. i f. 7 Goyaz, garmaini f. 8 Bolivia, GOUNELLE (3) T.c., **spp. n.**

Cyllene robiniae, natural history, HOPKINS Washington D.C. Bull. U. S. Dep. Agric. Ent. **58** pt. i.

Cyrtionops nigra Manipur, GAHAN (60) fig. 22 Faun. Brit. Ind. Col. **1**, **sp. n.**

Dandamis **gen. n.** for *Cyrtionops nigropunctatus* Auriv. fig. 18, GAHAN (50) T.c.

Deilus notula New Caledonia, FAUVEL (57) Rev. Ent. Caen **25**, **sp. n.**

Delagoa testacea Transvaal, JORDAN (160) pl. xvi f. 30 Ins. Transvaal by Distant, **sp. n.**

Demagogus duchesnei Abyssinia, LESNE (505) Bul. Mus. Paris 1906, **sp. n.**

Demodes vittata, GAHAN (117) pl. vi f. 14 J. Federated Malay States Mus. 1 1906, **sp. n.**

Demonax lineatus (281) f. 91; *monticola* Assam (282), *albosignatus*, *oblongomaculatus*, Burma, (283), *nigromaculatus* Sikkim (284), *decens* fig. 95, *decorus* S. India, (288), *andamanicus* Andaman Islds. (290), *dohertyi* Manipur (291), *fryanus*, *quadricollis*, Burma, (293), *maculicollis* S. India (297); GAHAN Faun. Brit. India Col. 1, **spp. n.**—*D. ventralis* Selangor, GAHAN (113) J. Federated Malay States Mus. 1, **sp. n.**

Dere affinis f. 104, *fulvipennis*, India, *apicalis* Ceylon, (105), GAHAN Faun. Brit. Ind. Col. 1, **spp. n.**

Derolus mauritanicus (135) f. 53; *discicollis* **sp. n.** Karachi (136); GAHAN Faun. Brit. Ind. Col. 1.

Dialeges undulatus (143) f. 56, GAHAN Faun. Brit. Ind. Col. 1.

Dicra **gen. n.** near *Leptonota*, *insignicornis*, (88), *nodicornis* (89), **spp. n.**, New Caledonia, FAUVEL Rev. Ent. Caen 25.

Dinoprionus cephalotes (44) fig. 16, GAHAN Faun. Brit. Ind. Col. 1.

Diorthus simplex (133) f. 51, GAHAN T.c.

Dissosternus perii, GAHAN (8) fig. 2 T.c.

Distenia kalidasae (63) fig. 57; *dohertyi*, *dravidiana*, **spp. n.**, India, (64); GAHAN T.c.—*D. queketti* Natal, DISTANT (164) Ins. Transvaal, **sp. n.**

Doesus taprobanicus Ceylon, GAHAN Faun. Brit. Ind. Col. 1, **sp. n.**

Dorcadion (*Compsodorcadion*), revision; *grande*, *kuznezovi*, *opiatum*, *pelidnum*, *rufidens*, **spp. n.**, JAKOVLEV Rev. russ. ent. 6 (32-48).—*D. curvulum* Perse, PIO (50) Echange 22, **sp. n.**—*D. arenarium*, variation, Josef MÜLLER Wien Verh. zool. bot. Ges. 1906 (690-695).—*D. arenarium* var. *marsicanum* d'Amore, Beschreibung, MÜLLER Entomol. Ztg. Wien 25 (249).

Doryathenes rostratus, GAHAN (6) fig. 1 Faun. Brit. Ind. Col. 1.

Dymasius macilentus (139) f. 55; *minor* India (140), *plagiatus* Burma (141), **spp. n.**, GAHAN T.c.

Dynamostes audax (62) fig. 23, GAHAN T.c.

Dystabia affinis, GAHAN (120) J. Federated Malay States Mus. 1, **sp. n.?**

Eburia **sp.**, destructeur des maisons en Colombie; GARCIA Bul. Mus. Paris 1906 (96-100).

Enicodes trochilus (74), *annulifer*, *rugiceps*, *thomsoni*, (75), *granulum*, *viridipes*, (76), *clavus*, *cylindricus*, (77), *bougieri*, *gracilis*, (78), *opacus*, *bimaculatus*, *latreillei*, (79), *scripticollis*, *fractimacula*, (80), *micittatus*, *limbicollis*, (81), New Caledonia, FAUVEL Rev. Ent. Caen 25, **sp. n.**

Ephies coccineus India, GAHAN (87) f. 34 Faun. Brit. Ind. Col. 1, **sp. n.**

Epipedocera zona (306) f. 99, *laticollis* **sp. n.** Burma (307), GAHAN T.c.

Erythrus westwoodi fig. 86, *coccineus* **sp. n.** N. India, GAHAN (231) T.c.

Estola picta N. America **n. sp.**, but probably is *Lypsimena tigrina* Sk., SCHAEFFER (20) Canad. Entomol. 38.

Eudesmus; vide *Chereutes* and *Bacuris*.

Eumidia pusilla Natal, DISTANT (166) Ins. Transvaal, **sp. n.**

Euryphagus lundii (188) f. 74, GAHAN Faun. Brit. Ind. Col. 1.

Eusromula **nom. n.** = *Eustroms* Lec., COCKERELL (242) Ent. News 17.

Exocentrus lacteolus Natal DISTANT (166) Ins. Transvaal, **sp. n.**

Freadelpha junodi Transvaal, JORDAN (162) pl. xvi f. 16 Ins. Transvaal by Distant, **sp. n.**

Gelonaetha hirta (155) f. 62, GAHAN Faun. Brit. Ind. Col. 1.

Glenea marleyi Natal, DISTANT (166) Ins. Transvaal, **sp. n.**—*G. robinsoni*, (120) pl. vi f. 16), *virgata* (121), GAHAN J. Federated Malay States Mus. 1, **spp. n.**

Gnatholea simplex fig. 44, *fryana* **sp. n.** Tennasserim, GAHAN (111) Faun. Brit. Ind. Col. 1.

Gymnocerus bruchi Argentine (17), *histrio* Amazonas (18), GOUNELLE Paris Ann. soc. ent. 75, **spp. n.**

Halme cinctella Ceylon (311) f. 101, *caerulescens* Andaman islds. (312), GAHAN Faun. Brit. Ind. Col. 1, **spp. n.**

Hammatichaerus lasiocerus ♀ = (*consobrinus* Gah.), GOUNELLE (20) Paris Ann. soc. ent. 75.

Hap'ocnemia curculionoides var. n. *nigronotata*, PIC (86) Echange 22.

Haplohammus granulatus Malay penins. and Borneo, GAHAN (115) pl. vi f. 10 J. Federated Malay States Mus. 1, **sp. n.**

Helius **gen. n.** near *Enicodes*, *brevicornis* **sp. n.** New Caledonia, FAUVEL (71) Rev. Ent. Caen 25.

Hesperophanes sericeus Fabr., Sexual-dimorphismus, MÜLLER Entomol. Ztg. Wien 25 (224).

Homalomelas gracilipes (233) f. 87, *quadridentatus* **sp. n.** Ceylon (234), GAHAN Faun. Brit. Ind. Col. 1.

Hoplistocerus iheringi (6) pl. i f. 5, *callioides* (7) f. 8 Brésil, *dichrous* Colombie (8), GOUNELLE Paris Ann. Soc. ent. 75, **spp. n.**

Hoplocerambyx spinicornis (132) f. 50, GAHAN Faun. Brit. Ind. Col. 1.

Hypoëschrus indicus Calcutta (104) f. 41, GAHAN T.c., **sp. n.**

Hypsideres junodi Transvaal, JORDAN (163) pl. xvi f. 17 Ins. transvaal. by Distant, **sp. n.**

Ibidionidium corbeti (168) f. 66, GAHAN Faun. Brit. Ind. Col. 1.

Iresioides moesta (320) f. 107, GAHAN T.c.

Ipothalia pyrrha (223) f. 83, GAHAN T.c.

Kunbir telephoroides (175) f. 69, GAHAN T.c.

Leiopus crucifer, *caledonicus*, New Caledonia, FAUVEL (98), Rev. Ent. Caen 25, **spp. n.**

Leptonota scabricollis New Caledonia, FAUVEL (86) T.c., **sp. n.**

Leptura (*Strangalia*) *quadrifasciata* var. n. *lugubris*, SAILBERG (47) Helsingfors Medd. Soc. Fauna Fl. Fenn. 31.—*L. unipunctata dalmatina* var. n., Josef MÜLLER Wien Verh. Zool.-bot. Ges. 1906 (602).—*L. cerambyciformis* var. n., *bisbistigma*, *maculata* var. n. *alsatica*, PIC (67) Echange 22.—*L. dubia* var. n. *moreana*, PIC (96) T.c.—

L. rubriola (81) f. 33, *miniacea* (82), *lavinia* (83), N. India, *clytina*, *lepta*, (84), *cribripennis* (85), Burma, *manipurensis* Manipur (86), **spp. n.**, GAHAN Faun. Brit. Ind. Col. 1.

Liagrica timida Muls., Sexualdimorphismus, MÜLLER Entomol. Ztg. Wien 25 (224).

Litopus dispar, habits, DISTANT (160) Ins. transvaal.

Logacus subopacus (20) fig. 7, GAHAN Faun. Brit. Ind. Col. 1.

Lophosternus indicus (10) fig. 3, *socius* (11), *palpalis* (12), *similis* (13), **spp. n.**, India and Burma, GAHAN T.c.

Macrochemis melanospilus Malay penins. and Borneo, GAHAN (114) pl. vi f. 8 J. Federated Malay States Mus. 1, **sp. n.**

Macrotoma crenata (37) fig. 13, GAHAN Faun. Brit. Ind. Col. 1.

Mallosia graeca, HOLTZ Insektenbörse Leipzig 23 (159-160).

Margites exiguus (137) f. 54; *modicus* **sp. n.** India (138); GAHAN Faun. Brit. Ind. Col. 1.—*M. sulcifrons* (161) pl. xvi f. 11, JORDAN Ins. transvaal by Distant.

Massicus unicolor Assam, GAHAN (130) Faun. Brit. Ind. Col. 1, **sp. n.**

Melegena flavipes Bombay, GAHAN (66) T.c.

Merionoeda andreweesi Nilgiri hills. (172) f. 68, *taprobanica* Ceylon (173), GAHAN T.c., **spp. n.**

Micracantha signata New Caledonia, FAUVEL (95) Rev. Ent. Caen 25, **sp. n.**

Microcleptes apicicornis (68), *rugicollis*, *ptinoides*, (69), *denticollis* (70), New Caledonia, FAUVEL T.c., **spp. n.**

Mimistena biplagiata Selangor, GAHAN (113) pl. vi f. 7 J. Federated Malay States Mus. 1, **sp. n.**

Molorchus taprobanicus Ceylon, GAHAN (170) f. 67 Faun. Brit. Ind. Col. 1, **sp. n.**

Monohammus serratus, Malay penins. and Borneo, GAHAN (115) pl. vi f. 9 J. Federated Malay States Mus. 1, **sp. n.**

Nemaschema lineatum (83), *nitidulum chlorizans*, (84), *macilentum*, *griseum* (85), *filarium* (86), New Caledonia, FAUVEL Rev. Ent. Caen 25, **spp. n.**

Neocerambyx grandis (125) f. 48, GAHAN Faun. Brit. Ind. Col. 1.

Neodoreadion hircus sp. n. Mongolei, JAKOVLEV Rev. russ. ent. 6 (1-2).

Neopachyta nom. n. pro *Pachyta* Serv., BEDEL (93) Paris Bull. Soc. ent. 1906.

Neopriion parandraeformis (29) fig. 11, GAHAN Faun. Brit. Ind. Col. 1.

Nida flavovittata (318) f. 106; *andamanica* Andaman islds. (107) sp. n., GAHAN T.c.

Nothopeus hemipterus (203) f. 78, GAHAN T.c.

Nyphasia pascoe (153) f. 61, GAHAN T.c.

Nysina, gen. n. for *Sphaerion orientalis* White, GAHAN (153) T.c.

Obereo; Gattungseinteilung, subg. n. *Amaurostoma*, MÜLLER Entomol. Ztg. Wien 25 (222).—*O. oculata*, Synonymie, HEYDEN Entomol. Ztg. Wien 25 (146-147).

Obrium translucidum (53), *laticorne* (54), New Caledonia, FAUVEL Rev. Ent. Caen 25, spp. n.

Oemospila gen. n. near *Xystrocera* (104), *maculipennis* sp. n. N. India (105), GAHAN Faun. Brit. Ind. Col. 1.

Oligoenoplus ventralis (302) f. 97, GAHAN T.c.

Oncideres cornuticeps Texas, SCHAEFFER (20) Canad. Entomol. 33, sp. n.

Oplatocera oberthuri N. India (108) fig. 43, GAHAN Faun. Brit. Ind. Col. 1, sp. n.

Orymirus cursor Varietäten, REITTER Entomol. Ztg. Wien 25 (139-140).—*O. cursor* auctt. Quetta (79) f. 31, GAHAN Faun. Brit. Ind. Col. 1.

Pachydissus parvicollis (131) f. 52, GAHAN T.c.

Pachylocerus crassicornis (226) f. 81, GAHAN T.c.

Pachyteria fasciata (196) f. 76, GAHAN T.c.

Paphora pulchra (323), *miles* (324), Australia, BLACKBURN Adelaide S. Aust. Trans. R. Soc. 30, spp. n.

Peithona gen. n. near *Apatophysis* (71), *prionoides* sp. n. Sikkim (72) fig. 27, GAHAN Faun. Brit. Ind. Col. 1.

Peloconus gen. n. near *Aphalanthus*, *junodi* sp. n. Transvaal pl. xvi f. 14, JORDAN (163) in Distant Ins. transvaal.

Penichroa Steph. = (*Exilia* Muls. = *Liagrica* Costa), *P. fasciata* Steph. = (*timida* Mén.), BEDEL (93) Paris Bull. Soc. ent. 1906.

Perissus nilgiriensis S. India (256), *dohertii* Manipur, *parvulus* Ceylon, (257), GAHAN Faun. Brit. Ind. Col. 1, spp. n.

Phacellus curvieri = (*purpureus* Lac.), GOUNELLE (20) Paris Ann. Soc. ent. 75.

Pharsalia ferruginea Malay penins. and Borneo, GAHAN (116) pl. vi f. 11 J. Federated Malay States Mus. 1, sp. n.

Philus globulicollis (57) fig. 21, GAHAN Faun. Brit. Ind. Col. 1.

Phoracantha savesi New Caledonia, FAUVEL (47) Rev. Ent. Caen 25, sp. n.

Phyodexia concinna (183) f. 72, GAHAN Faun. Brit. Ind. Col. 1.

Phytoecia angelicae Reitt. (22), *puncticollis* var. n. *aladaghensis* (37), REITTER Entomol. Ztg. Wien 25.—*P. virgula* Charp. and *P. vulnerata* Muls., MÜLLER Entomol. Ztg. Wien 25 (221).—*P. suncoroivi* sp. n. Caucasus, KOENIG Entomol. Ztg. Wien 25 (26).—*P. (Obereina) luteovittigera* Perse, guilleti Yunnan, PIC (4) Exchange 22, spp. n.

Physium lanatum New Caledonia, FAUVEL (89) Rev. Ent. Caen 25, sp. n.

Plocaderus obesus (122) f. 47, GAHAN Faun. Brit. Ind. Col. 1.

Polyacantha tigrina (90), *trifolium* (91), New Caledonia, FAUVEL Rev. Ent. Caen 25, spp. n.

Polyphida modesta Selangor, GAHAN (113) pl. vi f. 6 J. Federated Malay States Mus. 1, sp. n.

Polyzonus tetraspilotus varr. n. *megaspilus*, *microspilus*, (215) and *macrospilus* (216), *bizonatus* (217); f. 81; *brevipes* (217), *ratsoni* (218), spp. n., Burma, GAHAN Faun. Brit. Ind. Col. 1.

Praonetha subtineta Pasc. to *Pterolophia*, GAHAN (119) J. Federated Malay States Mus. 1.

Priononomma atratum (17) fig. 5, GAHAN Faun. Brit. Ind. Col. 1.

Prionus corpulentus (15) fig. 4, *elliotti* Quetta **sp. n.** (16); GAHAN T.c.—*P. tridentatus* L. (= *coriarius* L.), BEDEL (93) Paris Bull. Soc. ent. 1906.

Prietyranus mordax (22) fig. 8, GAHAN Faun. Brit. Ind. Col. 1.

Protaxis, **gen. n.** *Protaxini* new group of *Cerambycinae*, *fulvescens* **sp. n.** fig. 36 Burma, GAHAN (93) T.c.

Prothema aurata Assam, GAHAN (235) f. 88 T.c., **sp. n.**

Psilomerus angustus fig. 96, *bimaculatus* (300), *hampsoni* (301), S. India, **spp. n.**; GAHAN T.c.—*P. gracilis* Selangor, GAHAN (112) pl. vi f. 4 J. Federated Malay States Mus. 1, **sp. n.**

Pteridotelus argentellus New Caledonia, FAUVEL (95) Rev. Ent. Caen 25, **sp. n.**

Pterolophia robinsoni, (GAHAN (119) J. Federated Malay States Mus. 1, **sp. n.**

Purpuricenus sanguinolentus (184) f. 73, GAHAN Faun. Brit. Ind. Col. 1.

Pyrestes pyrrhus India (228) f. 85, *dohertyi* Burma (289); GAHAN T.c., **spp. n.**

Pyrocallymma pyrochroides fig. 35; *conspicua* **sp. n.** Burma; GAHAN (89) T.c.

Ranqueles, **gen. n.** near *Hesperophanes* (140), *mus* **sp. n.** Mendoza (141) GOUNELLE Paris Bull. Soc. ent. 1906.

Rhaphipodus taprobanicus (31) fig. 12, GAHAN Faun. Brit. Ind. Col. 1.

Rhaphuma diana Burma (271), *potkaina* Assam (272), *phiale* Burma (273), *fulgurata* Sikkim, *manipurensis* Manipur, (274), *rhea* (276), *suturalis*, *trinalba*, (278), *elegantula* (279), S. India; GAHAN T.c., **spp. n.**

Rhondia, **gen. n.** for *Leptura pugnax* Dohrn, figured fig. 32, GAHAN (79) T.c.

Rhytidodera robusta (147) f. 59, GAHAN T.c.

Rosalia alpina L. varr. n. *selincki* & *Izelyi* Herzegovina, ZOUFAL Entomol. Ztg. Wien 25 (264).—*R. lameerei* (177) f. 70, GAHAN Faun. Brit. Ind. Col. 1.

Salpinia socia Assam, GAHAN (163) T.c., **sp. n.**—*S. picta* New Caledonia, FAUVEL (52) Rev. Ent. Caen 25, **sp. n.**

Saperda populnea L. Brutpfleg, BENICK Nerthus Altona 6 1904 (306–310).

Sarmyidus antennatus (52) fig. 19, GAHAN Faun. Brit. Ind. Col. 1.

Sebasmia templetoni f. 57, *testacea*, Ceylon, (144), *nigra* Nilgiri hills (145), **spp. n.**, GAHAN T.c.

Sibylla dancoi, LAMEERE (49) pl. i f. 9 Résultat. Belgica, Zoologie.

Sphaerion blandum Newm. = (*detritum* Lam.), GOUNELLE (20) Paris Ann. Soc. ent. 75.

Spondylis buprestoides, an invasion of, Berlin, WANACH (236) Berliner ent. Zs. 50.

Stenomachus fenestratus (166) f. 65, GAHAN Faun. Brit. Ind. Col. 1.

Strangalia elboursensis Persia, Pio (390) Bul. Mus. Paris 1905, **sp. n.**

Strongylurns spinosus (55), *unident.* (56), New Caledonia, FAUVEL Rev. Ent. Caen 25, **sp. n.**

Syndere lagria Jord., JORDAN (162) pl. xvi f. 10 Ins. transvaal. by Distant.

Taurelema oberthuri Rio Tapajos, (12) pl. i f. 2, *flavocincta* Colombie, *albopunctata* Guatemala, (13), *rutilans* Bahia, (14), GOUNELLE Paris Ann. Soc. ent. 75, **spp. n.**

Teledapus dorcadoides (77) fig. 30, GAHAN Faun. Brit. Ind. Col. 1.

Tetraommatus filicornis (101) f. 40; *bimaculatus* **sp. n.** S. India (102); GAHAN T.c.

Tetropium oreinum Himalaya GAHAN (95) f. 37 T.c., **sp. n.**

Thercladodes bohemani Wh. pl. xvi f. 15, JORDAN (164) Ins. Transvaal. by Distant.

Thranis gibbosus (237) f. 89; *triplagiatus* Manipur, *fryanus* Tenasserim, **spp. n.**, (238); GAHAN Faun. Brit. Ind. Col. 1.

Tmesisternus vestitus New Caledonia, FAUVEL (72) Rev. Ent. Caen 25, **sp. n.**

Toxotus meridianus pupal habits, MÖBERG (17) Uppsala Arkiv. Zool. 3 No. 6.

Trachylophus sinensis (146) f. 58, GAHAN Faun. Brit. Ind. Col. 1.

Tricondyloides arachne New Caledonia, FAUVEL (63) Rev. Ent. Caen **25**, sp. n.

Trinophylum cribratum (156) f. 63, GAHAN Faun. Brit. Ind. Col. 1.

Typodryas callichromoides (65) fig. 25; *trochanterius* sp. n. Assam (66); GAHAN T.c.

Xoanodera regularis (150) f. 60, GAHAN T.c.

Xyloteles ochraceotinctus, luniger, (65), *litteratus, murinus, laticollis*, (66), New Caledonia, FAUVEL Rev. Ent. Caen **25** spp. n.

Xylotrechus quadripes (245) f. 90; *stebbingi* Himalaya, *lateralis* Burma, (241), *contortus* Sikhim (249), spp. n.; GAHAN Faun. Brit. Ind. Col. 1.

Xylotrechus consocius pl. vi f. 3, *affinis* f. 1, Malay penins., spp. n., (111); *X. discors* Gah. f. 2 (112) GAHAN J. Federated Malay States Mus. 1.

Zonopterus flavitarsis (191) f. 75; *corbelli* Burma (192), *diversus* Ceylon (193), spp. n.; GAHAN Faun. Brit. Ind. Col. 1.

Zooblast elateroides (40) fig. 14, GAHAN T.c.

Zoodes quadridentatus (116), *fulguratus, nilgiriensis*, (117), India, GAHAN T.c., spp. n.

Zoographus oculatus var. n. *ruschi* (225), *audiens* var. n. *pulverulentus* (226), NONFRIED Stettiner ent. Ztg. **67**.

Zygocera fasciolata New Caledonia, FAUVEL (92) Rev. Ent. Caen **25**, sp. n.

The following Cerambycidae have been previously recorded in the Zoological Record.

(*Acanthocinus linearis*, Arizona, SKINNER, Ent. News, **16**, 1905, (289-292), n. sp.)

(*Aromia pruinosa*, Kuldsha, REITTER, Entomol., Ztg., Wien, **22**, 1903, (233), sp. n.)

(*Colemia bruchi*, GOUNELLE, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Coptops nivisparva*, Tonkin, FAIRMAIRE, Mission Pavie, **3**, sp. n.)

(*Dorcadion dalmatinum* (137), *subcarinatum*, Italien, Südtirol (139), *tele-*

biticum, Kroatien (140), *brattiense*, Ins. Brazza, Dalmatien (144), *rubripes*, Herzegowina, Dalmatien, Kroatien (145), *hyppophilum*, Bosnien, Dalmatien, Montenegro (146), spp. n., MÜLLER, Entomol. Ztg., Wien, **24**, 1905.)

(*Eurynassa figurata*, Life history, Cox, Sydney, N.S.W., Australian Naturalist, **1**, (30).)

(*Lucasianus levaillanti* Lucas, découverte en France et ses moeurs, MAYET, Paris, Bul. soc. entom, **1905**, (277-279).)

(*Lyssimena tigrina*, Arizona, SKINNER, Ent. News, **16**, 1905, (289-292), sp. n.)

(*Oncideres quercus*, Arizona, SKINNER, l.c., sp. n.)

(*Oxymirus cursor*, var. n., *subciliatus*, Böhmen, REITTER, Entomol. Ztg., Wien, **24**, 1905, (206); var. n., *nigrinus*, Tirol; REITTER, T.c. (250).)

(*Parazodes auririllii*, GOUNELLE, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Pilemia*, Artübersicht, *wawerkana*, Hochsyrien, REITTER, Entomol. Ztg., Wien, **24**, 1905, (240), sp. n.)

(*Prionus areschanus*, FAIRMAIRE, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Purpurianus minutus*, Tonkin, FAIRMAIRE, Mission Pavie, **3**, sp. n.)

(*Rosalia alpina* L., di Sicilia e sue varietà, RAGUSA, Enrico, Naturalista sicil., Palermo, **18**, N. 1, 1905, (7-8).)

(*Strangalia novercalis*, sp. n., *jägeri* Hummel, *fenestrata*, Circassien, *melanura melanurella*, Sibirien, *melanura rubellata*, varr. n., Kaukasus, REITTER, Entomol. Ztg., Wien., **20**, 1901, (77-80).)

(*Sternotomus pupieri* Comores, FLEUTIAUX, Paris Bul. soc. ent., **1905**, (7-8), sp. n.)

(*Tetropiopsis guldei*, Algérie, CHABAUT, Paris, Bul. soc. ent., **1905**, sp. n.)

BRUCHIDAE.

Bruchidius königi Kurdistan (96), *modestus* Mantchuria (97), *reitteri* Araxes Valley (95), spp. n., SCHILSKY in Küster and Kraatz Käfer Europas **42**.

Caryoborus lineatocollis Cochinchine, PIC (58) Paris Bull. Soc. entom. **1906**, sp. n.

Kytorrhinus hauseri Dsungaria, PIC (50) *Echange* 22, sp. n.

Laria versus *Bruchus*, SCHILSKY D. ent. Zs. 1906 (467-469).

Pachymerus speculifer and *polycoccus*, SCHROTTKY Zs. Wiss. Insekten-biol. 2 (98-102).

Spermophagus luteonotatus var. n. *paulonotatus*, *baeri* sp. n. Péron, PIC (3) *Echange* 22.

CHRYSEMELIDAE

(except *Hispidus* and *Cassidides*, for which vide p. 269).

Investigation of evolution in the genus *Leptinotarsa*, TOWER Washington D.C. Carnegie Inst. Publ. 48 (x + 320 30 pls.).

The genera and species of *Clytrinae*, JACOBY and CLAVAREAU Fasc. 49 Gen. Ins. (1-87 with 5 pls.).

Structure and life history of the larval stages of the Donaciinae, (Danish); BÖVING Dr. Disp. København 1906 (viii + 263 with 7 pls.).

Aesernia meeki (1), *costata* (2), New Guinea, JACOBY, Entomologist London 29, spp. n.—*A. gestroi* New Guinea, JACOBY (25) T.c., sp. n.

Amphimela ornata cf. *Torodera fasciata*.

Androlyperus incisus n. sp. Arizona, SCHAEFFER (247) Brooklyn Mus. Bull. 1.

Anteriscus; composition, WEISE (39) D. ent. Zs. Berlin 1906.

Aphthona lutescens Gyll. var. n. *praeclara*, BODEMEYER D. ent. Zs. 1906.—*A. marshalli* (11), *dilutipes* (12), Natal, JACOBY London Trans. ent. soc. 1906, spp. n.

Asbecesta coeruleascens, *commoda*, Cameroons, spp. n., WEISE D. ent. Zs. Berlin 1906 (205).

Asphaera unicolor (399), *femorata*, *discicollis*, (400), *hilaris*, *albifrons*, (401), *tarsata* pl. xiv f. 10, *nasalis* (402), *amabilis* (403), *zonulata* f. 7 (404), *vernalis*, *separata*, (405), *glabripennis*, *funerea*, (406), *brevicollis* (407), *dimidiaticornis*, *dejeani*, (408), *albicincta* pl. xiv f. 4, *bisbiplagiata* (409), *biplagiata*, *erichsoni*, (410), *maculicollis*, *apicalis*, (411), *elegantula* (412) pl. xiv f. 6, *tibialis*, *ferrugineo-vittata*, (413), *lacerata*

(414), *nitidissima* f. 5, *viridicollis*, (415), *tessellata* f. 8, *variegata* (416), *basimaculata* (417), *divisa* f. 9, *fuscofasciata* (418), S. America, *carilloensis* Costa Rica (403), JACOBY London Proc. Zool. Soc. 1905 2, spp. n.

Aulamorphus hollisi var. n. *sellatus*, WEISE (52) D. ent. Zs. Berlin 1906.—*A. pictus* E. Africa, JACOBY (49) London Trans. ent. Soc. 1906, sp. n.

Beiratia gen. n. *Monoleptinae*, *inornata* sp. n. Beira pl. iii f. 19, JACOBY (50) T.c.

Blepharida; the species, WEISE (55) D. ent. Zs. Berlin 1906.

Calligrapha polyspila metamorphoses, BRUCH (321) pl. ii *Revist. Mus. La Plata* 11.

Candazea congener, *parvicollis*, S. Africa, (43), *annulicornis* Zambesi pl. iii f. 12, *morio*, (44), *pygidialis* (45), W. Africa, JACOBY London Trans. ent. soc. 1906, spp. n.

Cereyonia nigricollis Natal, JACOBY (16) T.c., sp. n.—*C. usambarica* E. Africa sp. n., WEISE (57) D. ent. Zs. Berlin 1906.

Chaetocnema dunbrodensis (17), *barkeri* (18), *purpurea* (19), S. Africa, JACOBY London Trans. ent. soc. 1906, spp. n.—*C. vincenti* sp. n. Aegypten, REITTER Entomol. Ztg. Wien 25 (37).

Chilto na italica Umbria, LEONI (145) Riv. Col. ital. 4, sp. n.

Chlamys prosternalis, *texana*, (227), *huachucae* (228), N. America, SCHAEFFER Brooklyn Mus. Bull. 1, spp. n.

Cneorane ? *acaciae* sp. n. Texas, SCHAEFFER T.c. (246).

Colaspis subtropicus sp. n. Texas, SCHAEFFER T.c. (235).

Colaspoides macrocephalus sp. n. Texas, SCHAEFFER T.c. (236).

Colasposoma häftigeri (49), *sumptuosum* (50), spp. n., E. Africa, WEISE D. ent. Zs. Berlin 1906.

Coptocephala thoracica var. n. *bijuncta*, PIC (42) *Echange* 22.

Crepidodera (Derocrepis) acuminata (14), *C. malvernensis* (15) pl. iii f. 1, *nigripes* (16), spp. n., S. Africa; *C. usambarica* Weise = (*peringueyi* Jac.) (15); JACOBY London Trans. ent. Soc. 1906.—*C. aesculi* sp. n. Cincinnati,

DURY Cincinnati Ohio J. Soc. 20 (251-256).—*C. ferruginea interpunctata* and var. *sublaevis*, PORPIUS (71-73) Helsingfors Medd. Soc. Fauna Fl. Fenn. 31.

Crioceris asparagi L. et ses variétés, Pio Paris Bul. soc. ent. 1906 (119-123).—*C. asparagi* and *macilentata* varr. n., HEYDEN Entomol. Ztg. Wien 25 (123-126).—*C. asparagi* var. n. *moquitiaca*, SCHUSTER Wiesbaden Jahrb. Ver. Natk. 59 (145-152).—*C. macilentata* var. n. *mediodisjuncta*, Pio (34) Echange 22.

Cryptocephalus ineptus (42), *C. (Anteriscus) erili* (46), *proteus* (41), E. Africa, spp. n., *erythromelas* var. n. *higonscerensis* (38), WEISE D. ent. Zs. Berlin 1906.—*C. duryi* (230), *simulans* (231), *umbonatus*, *quercus*, (232), N. America, spp. n., SCHAEFFER Brooklyn Mus. Bull. 1.

Cytoaus montanus, Entwicklung, WEISE D. ent. Zs. 1906 (405-409).

Diabrotica soror, local variation, KELLOGG (621-624) Science 24.

Diachus subopacus sp. n. Arizona, SCHAEFFER (234) Brooklyn Mus. Bull. 1.

Diaplydia concinna E. Africa sp. n., WEISE (56) D. ent. Zs. Berlin 1906.

Diliossa fallax E. Africa sp. n., WEISE T. c. (54).

Donacia clartreani Kjachta, JACOBSON (311) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Dunbrodia gen. n. near *Jamesonia* (20), *nitida* sp. n. Cape Colony (21) pl. iii f. 5, JACOBY London Trans. ent. Soc. 1906.

Duviviera apicitaris = (*sublaevipennis* Jac.), JACOBY (51) T. c.

Entomoseelis adonidis food-plants, MAYET Feuille jeunes natural 36 (167).

Epitrix humeralis sp. n. Cincinnati, DURY Cincinnati Ohio J. Soc. 20 (251-256).

Ergana bicolor E. Africa, JACOBY (48) London Trans. ent. Soc. 1906, sp. n.

Eubrachiis nsambarica E. Africa sp. n., WEISE (45) D. ent. Zs. Berlin 1906.

Euplectnemex gen. n. near *Ciaetocnema*, *nigrita* sp. n. Cape Colony pl.

iii f. 4, JACOBY (22) London Trans. ent. soc. 1906.

Eusattodera gen. n. near *Luperodes*, *pinii* sp. n. Arizona, SCHAEFFER (244) Brooklyn Mus. Bull. 1.

Eutheca conradsi E. Africa sp. n., WEISE (55) D. ent. Zs. Berlin 1906.

Exosoma (Malacosoma) sheppardi, *sturmi*, (30), *tongaensis* (31), spp. n., Africa; *apicipennis* pl. iii f. 10, JACOBY London Trans. ent. soc. 1906.

Fidia vivida, natural history, FELT Albany Univ. Rep. St. Mus. 57 (1-51) pls. i-vi.

Gavirga fasciata Bolivia, peruana Peru, spp. n., WEISE (203) D. ent. Zs. Berlin 1906.

Glyptina arizonica sp. n. Huachuca mts., SCHAEFFER (252) Brooklyn Mus. Bull. 1.

Goniocetena variabilis, variation according to conditions, DONCASTER (528-536) London Proc. Zool. Soc. 1905 2.

Gonophora interrupta Dav., GESTRO Genova Ann. Mus. 42 (128-129).

Gynandrophthalma jacybyi nom. n. for *lacordairea* Jac. (45), *martini* nom. n. for *placida* Jac. (47), CLAVAREAU Gen. Ins. Fasc. 49.—*G. polita* sp. n. E. Africa, WEISE (37) D. ent. Zs. Berlin 1906.

Hallirhotius and allies, WEISE (53) T. c.

Haltica texana sp. n. Brownsville, SCHAEFFER (250) Brooklyn Mus. Bull. 1.

Haplotes bifasciata Ogowé pl. iii f. 13, JACOBY (36) London Trans. ent. Soc. 1906, sp. n.—*Haplotes* cf. *Macrima*.

Hemixanthis subrugosa Natal (37) pl. iii f. 18, *subconnectens* f. 16, *dilaticornis* f. 15, (38), Beira, *dilatipes* Natal (39) f. 17, JACOBY London Trans. ent. Soc. 1906, spp. n.

Hespera cinetella E. Africa sp. n., WEISE (58) D. ent. Zs. Berlin 1906.

Homophocta clavareau (398), *peruviana* (399) pl. xiv f. 2, *argus* f. 3, *angustolineata* f. 1, (591), S. America, JACOBY London Proc. zool. Soc. 1905 2, spp. n.

Hyperacantha silvana Gazaland (26), pl. iii f. 11, *obesa* Natal (27) f. 8, **spp. n.**, *flavodorsata* and *adusta* distinguished (28), JACOBY London Trans. ent. Soc. 1906.

Jamesonia sheppardi E. Africa, JACOBY T.c., **sp. n.**

Labidostomis bigemina var. *n. semideficiens*, PIC (19) Echange 22.—*L. sardoa* **sp. n.** Sardinia, JACOBSON Riv. Col. ital. 4 (30-31).

Lactica infuscata **sp. n.** Texas, SCHAEFFER (250) Brooklyn Mus. Bull. 1.

Lema elongata **sp. n.** East Africa, WEISE (35) *hirtipennis* Jac. = (*klugi* Jac. = *binominata* Clav.) (36), D. ent. Zs. Berlin 1906.—*L. hoffmannseggi* Jac. a valid species, REITTER (22) Entomol. Ztg. Wien 25.

Leptaulaca maculicollis Natal pl. iii f. 7, *labiata* E. Africa, JACOBY (29) London Trans. ent. Soc. 1906, **spp. n.**

Leptinotarsa; biology, evolution, Carnegie Inst. Publ. 48, *L. oblongata*, *intermedia*, *rubicunda*, **spp. n.**, Mexico, TOWER T.c. (6, 7).—*L. decemlineata* var. *n. texana*, SCHAEFFER (239) Brooklyn Mus. Bull. 1.

Lina and *Gastroidea*, breeding colour varr., McCracken J. exp. Zool. Baltimore 3 (331-336).

Longitarsus amabilis (12), *braunsi* (13), Cape Colony, JACOBY London Trans. ent. Soc. 1906, **spp. n.**—*L. femoralis*, neuer Schädling der Runkelrübe in Russland, VASILJEV Věst. sacharn. promysl. 7 (548-556, 589-595).

Luperodes californica **sp. n.** California, SCHAEFFER (245) Brooklyn Mus. Bull. 1.

Luperus thomsoni Sierra Leone, *semiforeolatus*, (32), *incertus* (33) pl. iii f. 20, S. Africa, JACOBY London Trans. ent. Soc. 1906, **spp. n.**

Macrima africana to *Haplotes*, JACOBY (51) T.c.

Malacorrhinus nigrescens **sp. n.** Utah, SCHAEFFER (248) Brooklyn Mus. Bull. 1.

Malacosoma pini **sp. n.** Arizona, SCHAEFFER (248) Brooklyn Mus. Bull. 1.

Malegia indica Pondichéry, PIC (5) Echange 22, **sp. n.**

Megalognatha sheppardi, *inconspicua*, E. Africa, (46), *weisei* Usam-

bara (47), JACOBY London Trans. ent. Soc. 1906, **sp. n.**

Monolepta camerunensis, *violaceipennis*, W. Africa, (40), *pygidialis* Natal, *zambesiana* Zambesi, (41), *selecta* (42), *beiraensis* (43), Beira, **spp. n.**, *abricornis* **nom. n.** for *nigricornis* Weise (44), JACOBY London Trans. ent. Soc. 1906. —*M. erueigera* **sp. n.** Arizona, SCHAEFFER (249) Brooklyn Mus. Bull. 1. —*M. ludicra* **sp. n.** E. Africa, WEISE (54) D. ent. Zs. Berlin 1906.

Nisotra weisei Beira pl. iii f. 2, *oneili* Cape Colony, JACOBY (21) London Trans. ent. Soc. 1906, **spp. n.**

Nodonota rotundicollis (237), *arizonica* (238), N. America, SCHAEFFER Brooklyn Mus. Bull. 1, **spp. n.**

Ochrosis natalensis Malvern, JACOBY London Trans. ent. Soc. 1906 (17), **sp. n.**—*O. pisana* var. *n. viridana*, *O. salicariae* var. *n. unicolor*, REITTER D. ent. Zs. 1906 (451).

Oedionychis rotundicollis, *paraguayensis*, (419), *nigrosuturalis*, *piceifrons*, (420), *milpepora*, *distincta*, (421), *apicicornis*, *sordida*, (422), *ecuadoriensis*, *rhodina*, (423), *pallascens*, *inconspicua*, *herbacea*, (424), *nigrotibialis*, *consimilis*, (425), *nigrimana* (426), *parallina*, *colombiana*, (427), *diversa*, *bisbinotata* pl. xv f. 8, (428), *variata*, *ingrata*, (429), *venezuelensis* (430), *centromaculata* f. 2 (431), *subcostata*, *motschulskyi*, *indigosoma*, (432), *intersignata*, *rustica*, (433), *catharinae*, *ocellata* pl. xv f. 10, (434), *humboldti*, *waterhousei*, (435), *exclamationis* f. 3, *interruptorittata* f. 6, (436), *bistrifasciata* (437), *informis*, *grayi*, (438), *arcuata*, *bipartita*, (439), *illustris* (440) f. 11, *illigeri* (441), *imperialis*, *occipitalis*, (442), *aenea* (443), *regina* pl. xiv f. 12, *difficilis*, (444), *colombiana*, *succincta*, (445), *weisei*, *selecta*, (446), *cardinalis* (447), *fulvotibialis*, *vittatipennis*, (448), *adjuncta* pl. xv f. 12 (449), *cinctipennis*, *pallidicincta*, (450), *semiforeolata* f. 5, *flavomarginata* f. 9, (451), *bipunctulata*, *triloba*, (452), *basinotata* f. 4, *maculatissima* (453), *duodecimnotata* pl. xiv f. 11 (454), *subdilata* (455), *atropunctata*, *argentinensis*, (456), *nigropunctata* (457), *torquata*, *decora*, (458), *bicolorata*, *nigrobasis*, (459), *prominula* (460) pl. xv f. 1, S. America: *arcuatofasciata* (431), *donckieri* (449), *persimilis* (455), Mexico; JACOBY

London Proc. Zool. Soc. 1905 2; **spp. n.**

Oides sheppardi E. Africa, JACOBY (26) London Trans. ent. Soc. 1906, **sp. n.**

Orestia electra and *apennina* distinguished, WEISE (204) D. ent. Zs. Berlin 1906.

Orina alpestris variation, REINECK Zs. wiss. Insektenbiol. 2 (21-22).

Pachybrachys apicenotatus var. n. *multinotata*, PIC (27) Echange 22.—*P. bodemeyeri* **sp. n.** Klein-Asien, WEISE D. ent. Zs. 1906 (472).—*P. (Pachystilus) pentheri* Asia Minor, GANGLBAUER (280) Wien Ann. Hofmus. 20, **sp. n.**

Pachytoma ruficeps E. Africa **sp. n.**; WEISE (51) D. ent. Zs. Berlin 1906.

Palaeosastra **gen. n.** *Galerucinae* (2), *gracilicornis* **sp. n.** New Guinea (3); JACOBY Entomologist London 29.

Papuania **gen. n.** position doubtful, *impressipennis* **sp. n.** New Guinea, JACOBY (3) T.c.

Paratriarius **gen. n.** type *Galeruca dorsata* Say, SCHAEFFER (243) Brooklyn Mus. Bull. 1.

Paropsis hebe to *Pyrgo*, WEISE (204) D. ent. Zs. Berlin 1906.

Pedrillia annulata var. n. *disconotata*, PIC (27) Echange 22.

Peploptera arcuata Dahomey (28), *pallipes* Tanganika, *suturalis* Congo, (29), CLAVAREAU Gen. Ins. Fasc. 49, **spp. n.**

Phygasia barkeri, *bicolorata*, S. Africa, JACOBY (24) London Trans. ent. Soc. 1906, **spp. n.**

Phyllotreta maculicornis Syrie, *distinctipes* (? *crassicornis* var.) Algérie, PIC (35) Echange 22, **spp. n.**—*P. weisei* Cape Colony, JACOBY (13) pl. iii f. 3 London Trans. ent. Soc. 1906, **sp. n.**—*P. lindahli* **sp. n.** Cincinnati, DURY Cincinnati Ohio J. Soc. 20 (251-256).

Physonychis beiraensis E. Africa, pl. iii f. 6, JACOBY (25) London Trans. ent. Soc. 1906, **sp. n.**

Plagioderia erythroptera metamorphoses, BRUCH (317) pl. i Revist. Mus. La Plata 11.

Platycantha (Haplotes) bicolor W. Africa (35), *occipitalis* Natal pl. iii f. 14 (36), JACOBY London Trans. ent. Soc. 1906, **spp. n.**

Prasocuris phellandrii, larvae habits, LOISELLE Feuille jeunes natural. 36 (133-134).

Pseudocolaspis mombonensis (48), *nobilis* (47), **spp. n.**, E. Africa, WEISE D. ent. Zs. Berlin 1906.

Psylliodes chrysocephala larvae and habits, CARPENTER (152-155) pl. xi J. econ. Biol. London 1.

Saxinis subpubescens (221), *knausii*, *scutellaris*, (222), N. America, **spp. n.**, *omogera* var. n. *sinuata*, *saucia* var. n. *californica*, (225); SCHAEFFER Brooklyn N.Y. Mus. Bull. 1.

Scelodonta vitticollis E. Africa **sp. n.**, WEISE (43) D. ent. Zs. Berlin 1906.

Schematizella viridis = (*Hystaspes dohrni* Jac.), JACOBY (51) London Trans. ent. Soc. 1906.

Spilocephalus apicalis Zambesi, JACOBY (48) T.c., **sp. n.**

Stictocema **gen. n.** near *Schematizella* (33), *maculicollis*, *fasciata* pl. iii f. 9, (34), **spp. n.**, Cameroons, JACOBY T.c.

Systema pallicornis **sp. n.** Texas, SCHAEFFER (252) Brooklyn Mus. Bull. 1.

Thelyterotarsus fausti var. n. *armeniaca*, PIC (35) Echange 22.

Timarcha coriaria Laich., eine Literaturstudie, SEIDLITZ Entomol. Ztg. Wien 25 (277-280).

Torodera fasciata = (*Amphimela ornata* Jac.), JACOBY (25) London Trans. ent. Soc. 1906.

Triachus peninsularis **sp. n.** Lower California, SCHAEFFER (234) Brooklyn Mus. Bull. 1 (234).

Trichaltica virescens **sp. n.** Arizona, SCHAEFFER (251) T.c.

Trirrhada subcyanescens **sp. n.** Texas, SCHAEFFER (241) T.c.

Uhshlia **gen. n.** near *Nerissus* (44), *pardalis* **sp. n.** E. Africa (45), WEISE D. ent. Zs. Berlin 1906.

Weiseana **gen. n.** near *Hanichloda* type *barkeri* Jac., JACOBY (23) London Trans. ent. Soc. 1906.

Zygogramma arizonica sp. n.
Palmerlee, SCHAEFFER (240) Brooklyn
Mus. Bull. 1.

(*Coptocephala gebleri*, var. n. *inundata*, Turkestan, REITTER, Entomol. Ztg. Wien, 24, 1905, (251))

(*Cryptoccephalus vittula* Suffr. var. *lugubris* n. var., DEMAISON, Paris, Bul. soc. ent., 1904, (286-287).)

(*Lina lapponica*, heredity, McCRACKEN, J. Exp. Zool., Baltimore, Md., 2, 1905, (117-136).)

(*Pachybrachis rugifer*, ABEILLE DE PERRIN, Paris, Bul. soc. ent., 1904, sp. n.)

(*Phyllotreta künemanni*, Dauphiné, REITTER, Entomol. Ztg. Wien, 24, 1905, (251), sp. n.)

(*Phytodecta flavicornis infernalis*, *viminalis reniplagiata*, var. n., PENECKE, Entomol. Ztg., 20, 1901, (11-21).)

(*Semicnema reitteri* Weise, Vorkommen in Ungarn und Bosnien, REITTER, Entomol. Ztg., Wien, 21, 1902, (1-9).)

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Anisodera nigrolineata Malacca and Borneo (472), *longipennis* Tonchino (474), GESTRO Genova Ann. Mus. 42, spp. n.

Anoplitis gestroi Nicaragua, WEISE (238) T.c., sp. n.

Aspidomorpha candens, *ertli*, *häufigeri*, *obtusangula*, Ostafrika, spp. n., SPAETH D. ent. Zs. 1906 (399-403).

Brachispa, gen. n. near *Di cladispa* (488), *multispinosa* Transvaal sp. n. (489), GESTRO Genova Ann. Mus. 42.

Callispa limbata Fernando Po, GESTRO (504) T.c., sp. n.

Cassida; Biologie, Schädlichkeit, JABLONOWSKI Rovart. L. Budapest 13 1906 (135-140, 157-162).—*C. mamibialis*, *silphoides*, *decipiens*, *revulsa*, *punctipennis*, *gallarum*, *deplanata*, *fugax*, spp. n., Ostafrika, SPAETH D. ent. Zs. 1906 (385-396).—*C. suspiciosa* ab. n. *connexa*, WEISE (59) D. ent. Zs. Berlin 1906.—*C. suspiciosa* ab. n. *picturata*, SPAETH D. ent. Zs. 1906.

Chalepus medius, metamorphoses, (325) pl. iii, BRUCH Revist. Mus. La Plata 11.

Cryptonychus; disposizione delle specie, GESTRO Genova Ann. Mus. Civ. 42 (132-134).—*C. discolor* (506), *leonardi* (508), *tenuirostris* (509), *crassirostris* (511), *cribricollis* (512), *brevicollis* (514), Africa occ., GESTRO Genova Ann. Mus. 42, spp. n.—*C. limbatus* to *Brontispa*, GESTRO (471) Genova Ann. Mus. 42; WEISE (34) D. ent. Zs. Berlin 1906.

Dactylispa dolichocera (525), *redunca* (526), *puncticollis* (527), *nigricornis* (529), *incredula* (531), *caricollis* (533), Africa occ., GESTRO Genova Ann. Mus. 42, spp. n.

Dichirispa mashonana var. n. *kigonserenis*, WEISE (58) D. ent. Zs. Berlin 1906.

Di cladispa traversii Scioa (490), *striaticollis* (491), *poeciloptera* (493), Usambara, *peringueyi* (494), *formosa* (495), Transvaal, *tenuispina* Usambara (497), *platyclada* Congo (499), GESTRO Genova Ann. Mus. 42, spp. n.

Distolaca nitida Sumatra, GESTRO, (477) T.c., sp. n.

Downesia bouchardi Sumatra, GESTRO, (480) T.c., sp. n.

Gonophora maculipeunis Mindanao, GESTRO (475) T.c., sp. n.

Gyllenhalius macrorhinus Kassai, GESTRO (470) T.c., sp. n.

Hispodonta bifasciata Batcian, GESTRO (469) T.c., sp. n.—*H. depressa* Nuova Guinea, GESTRO T.c. (130), sp. n.

Leptispa graminum Fernando Po, GESTRO (503) T.c., sp. n.

Macrispa saundersii hab. British Bootang, GESTRO (130) T.c.

Mierispa; catalogue (479), *bouchardi* sp. n. Sumatra (477), GESTRO T.c.

Microrhopala arizonica sp. n. Huachuca mts., SCHAEFFER (253) Brooklyn Mus. Bull. 1.

Oelhispa (*Heptispa*) *solarii* Nicaragua, WEISE (241) Genova Ann. Mus. 42, sp. n.

Oncoccephala angusticollis Niger, GESTRO (480) Genova Ann. Mus. 42, sp. n.—*O. cuneata* (517), *scabrosa* (518), Africa occ., GESTRO T.c., spp. n.

Ozycephala speciosa var. = (*dilutipes* Weise), GESTRO (131) T.c.

Paradoinesia fruhstorferi Tonchino, GESTRO (483) T.c., **sp. n.**

Philodonta **gen. n.**, *modesta* **sp. n.** Bengal, WEISE D. ent. Zs. 1906 (404).

Platypria andrevesi **sp. n.** Bombay, WEISE D. ent. Zs. 1906 (404).

Pleurispa reisei Togo, GESTRO (487) Genova Ann. Mus. 42, **sp. n.**

Prionispa vethi Giava (484), *longicornis* Tenasserim (485), GESTRO T.c., **spp. n.**

Trichispa feae S. Thomé, GESTRO (536) T.c., **sp. n.**

Wellacca limbata Madras, GESTRO (468) T.c., **sp. n.**

(*Hispa testacea*, LESNE, Paris, Bul. soc. ent., 1904, (68-70).

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Daene fourieri characters, Joy (72) Ent. Rec. 1906.

Helota lesnei Chine, RITSEMA (196) Bull. Mus. Paris 12, **sp. n.**—*H. jentinkii* **sp. n.** Sumatra, RITSEMA Leiden Notes Mus. Jentink 26 (223-225).—*H. rouyeri* **sp. n.** West-Sumatra, RITSEMA Leiden Notes Mus. Jentink 28 (131-133).

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Sphacrosoma albanicum **sp. n.**, APFELBECK Wien Sitzber. Ak. Wiss. 115 Abt. I (1670).

(*Alexia formaneki* **sp. n.**, Herzegowina, Südbosnien, REITTER, Entomol. Ztg., Wien, 24, 1902, (I-9, mit 1 Taf.))

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Die Aufenthaltsorte der Coccinelliden. MEISSNER Ent. Zs. Guben 20 (187-188).

Zucht von Coccinellidenlarven. MEISSNER. Insektenbörse Leipzig 23 1906 (143-144).

Azya nigrina Brasilia, WEISE (198) Revist. Mus. La Plata 11, **sp. n.**

Revistyacantha bruchi Tucuman, WEISE (196) Revist. Mus. La Plata 11, **sp. n.**

Callineda testudinaria, number of eggs, TERRY (12) Honolulu Proc. Hawai. ent. Soc. 1.

Cephaloscymnus bruchi Brasilia, WEISE (198) Revist. Mus. La Plata 11, **sp. n.**

Chilocoris insularis **sp. n.** Madagascar, WEISE (208) D. ent. Zs. Berlin 1906.

Chnoodes tarsalis Brasilia, WEISE (197) Revist. Mus. La Plata 11, **sp. n.**

Cleothera fasciata cf. Fabr. nec Muls., WEISE (34) D. ent. Zs. Berlin 1906.—*C. secessionis* Brasilia, WEISE (196) Revist. Mus. La Plata 11, **sp. n.**

Coccinella septempunctata, SAJÓ Promethus 17 (489-492, 506-509).

Cycloneda puncticollis var. *n. livida*, WEISE (195) Revist. Mus. La Plata 11.

Epilachna cuprina, *ertli*, **spp. n.**, E. Africa, WEISE (60) D. ent. Zs. Berlin 1906.

Erochomus kohlschutteri E. Africa **sp. n.**, WEISE T.c. (64).—*E. nigromaculatus*, THEOBALD Khartoum Rep. Wellcome Res. Lab. 2 (96).

Hyperaspis conclusa Tucuman, WEISE (197) Revist. Mus. La Plata 11, **sp. n.**

Megatela **gen. n. subfam. n.** (159), *eratyloides* **sp. n.** Cameroons (160), WEISE D. ent. Zs. Berlin 1906.

Mulsantina **nom. n.** = *Cleis* Muls., WEISE T.c. (34).

Mysia gebleri and *oblongoguttata* distinguished, WEISE (326) T.c.—*M. oblongoguttata* L. ab. *n. atrata*, ENGERT D. ent. Zs. 1906 (464).

Neocalvia bruchi Tucuman, WEISE (194) Revist. Mus. La Plata 11, **sp. n.**

Pharoscyrmus **nom. n.** pro *Pharus* Muls., BEDEL (93) Paris Bull. Soc. ent. 1906.

Pristonema humeralis Brazil **sp. n.**, WEISE (160) D. ent. Zs. Berlin 1906.

Psyllobora pavidata Tucuman, WEISE (195) Revist. Mus. La Plata 11, **sp. n.**

Scymnus jacobsoni **sp. n.** St. Petersburg, BAROVSKY Rev. russ. ent. 6 1906 (8-9).

Solanophila hastigeri (63), *kaffiensis* (61), **spp. n.**, E. Africa, WEISE D. ent. Zs. Berlin 1906.—*S. bipunctata* (207), *blaesa*, *hora*, (206), *4-punctata* (207),

Madagascar, *spp. n.*, WEISE T.C.—*S. eusema*, *punctatissima*, S. America, WEISE (193) *Revisit. Mus. La Plata* 11, 1904, *spp. n.*

(*Adalia bipunctata* var. *n.*, PENECKE, *Entomol. Ztg.*, Wien, 20, 1901, (11–21).)

(*Adonia variegata* var. *n. transylvanica*, PENECKE, T.C.)

(*Coccinella decempunctata* var. *n. mediopunctata* Steiermark, PENECKE, T.C.)

(*Halysia 14-guttata* var. *n. concolor*, PENECKE, T.C.)

†Fossil coleoptera. Incertae sedis.

HANDLIRSCH, *Fossil. Ins.*, (400–403), proposes the following new genera and species for fossil *Coleoptera* from Triassic strata, the systematic positions of which are doubtful:—

Eocoleopteron *gen. n.*, *roemeri* *sp. n.*, *Trias. Deutschland* (400).

Pseudochrysomelites *gen. n.* for *Chrysomelites rothenbachii* Heer, (400).

Pseudohydrophilites *gen. n.* for *Hydrophilites nathorsti* Heer, (400).

Pseudocurculionites *gen. n.* type *Curculionites redtenbacheri*, HANDLIRSCH (399) *Fossil. Ins.*

Pseudobuprestites *gen. n.* (? wirklich eine Buprestide) for *Buprestites petrophylli* Heer, HANDLIRSCH (399) *Fossil. Ins.*

Pseudoelateropsis *gen. n.* doubtfully *Elateridae*, for *Elateropsis infrahassica* Roem., HANDLIRSCH (399) *Fossil. Ins.*

Parabuprestites *gen. n.* for *Buprestites rugulosus* Heer, (400).

Paracurculionites *gen. n.* for *Curculionites parvulus* Heer, (401).

Nannocurculionites *gen. n.* for *Curculionites carlsoni* Heer, (401).

Angelinella *gen. n.* for *Elytridium angelini* Heer, (401).

Heeriella *gen. n.* for *Elytridium laevigatum* Heer, (401).

Pseudocarabites *gen. n.* for *Carabites deplanatus* Heer, (401).

Flichea *gen. n.* for *Glaphyoptera lotharingiaca* Fliche, (402).

Etheridgea *gen. n.* for *E. australis* *sp. n.* *Trias. Queensland*, (402).

Pseudorhynchophora *gen. n.*, *olliffi* *sp. n.* *Trias. Queensland*, (402).

Ademosyne *gen. n.* (402), *minor* *sp. n.* (403) *Trias. Queensland*.

The following new genera and species of *Coleoptera*, from the Lias, are described by Handlirsch:—

Elaterophanes *gen. n.* for *Elater socius* Gieb. and *retusus* Brodie, *Lias England*, HANDLIRSCH (436) *Fossil. Ins.*

Glaphyopterites *gen. n.* for *Glaphyoptera depressa* Heer, HANDLIRSCH (437) *Fossil. Ins.*

Glaphypterodes *gen. n.* for *Glaphyoptera gehreti* Heer, HANDLIRSCH l.c.

Glaphyopterula *gen. n.* for *Glaphyoptera gracilis* Heer, HANDLIRSCH l.c.

Plastelater *gen. n.* for *Elater neptuni* Gieb., HANDLIRSCH (438) *Fossil. Ins.*

Parnidium *frechi*, *geinzi*, *Lias Mecklenburg*, HANDLIRSCH (438) *Fossil. Ins.*, *spp. n.*

Thoracotes *gen. n.* for *Nitidulites argoriensis* Gein., HANDLIRSCH (438) *Fossil. Ins.*

Proctobuprestis *gen. n.* for *Glaphyoptera brevicollis* Heer, HANDLIRSCH (439) *Fossil. Ins.*

Bellingeropsis *gen. n.* for *Bellingeria laticollis* Heer, HANDLIRSCH (440) *Fossil. Ins.*

Procarabites *gen. n.* for *Carabites bellus* Heer, HANDLIRSCH (440) *Fossil. Ins.*

Brodiola *gen. n.*, *nana* *sp. n.* *Lias England*, HANDLIRSCH (441) *Fossil. Ins.*

Plastonebria *gen. n.* for *Nebria scuderi* Gein., HANDLIRSCH (444) *Fossil. Ins.*

Plastobuprestites *gen. n.* for *Buprestites elegans* Gein., HANDLIRSCH (444) *Fossil. Ins.*

Notokistus *gen. n.*, *brodiei* *sp. n.* *Lias England*, HANDLIRSCH (444) *Fossil. Ins.*

Hadrocephalus *gen. n.*, *anglicus*, *liasinus*, *minor*, *spp. n.*, *Lias England*, HANDLIRSCH (444) *Fossil. Ins.*

Colymbetopsis *gen. n.* for *Colymbetes arcuatus* Heer, HANDLIRSCH (445) *Fossil. Ins.*

Chrysomelopsis gen. n. for *Chrysomela andraei*, Gieb., HANDLIERSCH (445) Fossil. Ins.

Gyrinopsis gen. n. for *Gyrinites antiquus* Heer, HANDLIERSCH (446) Fossil. Ins.

Eurynychia gen. n., *pseudobuprestis* sp. n. Lias Mecklenburg, HANDLIERSCH (446) Fossil. Ins.

Nannoodes gen. n., *pseudocistela* sp. n. Lias Mecklenburg, HANDLIERSCH (446) T.c.

Pseudocyphon gen. n., *geinitzi* sp. n. Lias Mecklenburg, HANDLIERSCH (446) Fossil. Ins.

Anagyrinus gen. n. for *Gyrinus atarns* Heer, HANDLIERSCH (447) Fossil. Ins.

Paragyrinus gen. n. for *Gyrinus dubius* Gieb., HANDLIERSCH (448) Fossil. Ins.

Phaenogyrinus gen. n. for *Gyrinites minimus* Heer, HANDLIERSCH (448) T.c.

Coptogyrinus gen. n., *scutellatus* sp. n. Lias Mecklenburg, HANDLIERSCH (449) T.c.

Xenogyrinus gen. n. for *Gyrinus natans* Brodie, HANDLIERSCH (449) T.c.

Mimelater gen. n. for *Elater angulatus* Gieb., HANDLIERSCH (449) T.c.

Adynasia gen. n. for *Buprestites lyellii* Heer, HANDLIERSCH (449) T.c.

Kaleusticus gen. n. for *Buprestites zirkeli* Gein., HANDLIERSCH (450) T.c.

Allognosis gen. n. for *Nebria nitens* Gein., HANDLIERSCH (450) T.c.

Dinoharpalus gen. n. for *Harpalus liasinus* Gieb., HANDLIERSCH (450) T.c.

Anepismus gen. n. for *Elater rarus* Gieb., HANDLIERSCH (450) T.c.

Enamna gen. n., *striatum* sp. n. Lias Mecklenburg, HANDLIERSCH (451) T.c.

Stigmenamma gen. n. for *Harpalus heeri* Gieb., HANDLIERSCH (451) T.c.

Steneltron gen. n. for *Elater redtenbacheri* Gieb., HANDLIERSCH (451) T.c.

Dysarectus gen. n. for *Elaterites retusus* Heer, HANDLIERSCH (451) T.c.

Smadicoptera gen. n. for *Euchroma liasina* Heer, HANDLIERSCH (452) T.c.

Melanophilopsis gen. n. for *Melanophila costata* Heer, HANDLIERSCH (452) T.c.

Melanophilites gen. n. for *Melanophila sculptilis* Heer, HANDLIERSCH (453) T.c.

Holcoptera gen. n. for *Harpalus schlottheimi* Gieb., HANDLIERSCH (453) T.c.

Holcoëlytrum gen. n. for *Harpalus schlottheimi* Gieb., HANDLIERSCH (453) T.c.

Pseudoprionites gen. n. for *Prionus liasinus* Gein., HANDLIERSCH (453) T.c.

Pseudotelephorus gen. n. for *Telephorus haueri* Gieb., HANDLIERSCH (454) T.c.

Carabites geinitzi Lias Mecklenburg, HANDLIERSCH (455) T.c.

Nebrioides gen. n. for *Nebria dobbertiensis* Gein., HANDLIERSCH (455) T.c.

Paracurculium gen. n. for *Curculionites punctatus* Gein., HANDLIERSCH (455) T.c.

Anhydrophilus gen. n., *broidiei* sp. n. Lias England, HANDLIERSCH (455) T.c.

Gyrinulopsis gen. n., *nanus* sp. n. Lias Mecklenburg, HANDLIERSCH (455) T.c.

Polypamon gen. n. for *Cistelites byrrhoides* Gein., HANDLIERSCH (456) T.c.

Bathyergus gen. n. for *Cistelites bellus* Gein., HANDLIERSCH (456) T.c.

Hydrobiites anglicus, giebels, Lias England, HANDLIERSCH (456) T.c., spp. n.

The following new genera and species are described by HANDLIERSCH from Jurassic strata.

Malmelater gen. n. for various jurassic forms ? *Elateridae*, HANDLIERSCH (541) Fossil. Ins.

Pseudothyrea gen. n. *Elateridae*?, *oppenheimi* sp. n. Kalk Bayern, HANDLIERSCH (541) Fossil. Ins.

Eurythyreites gen. n., ? *Buprestidae* for *Eurythyrea grandis* Deichm., HANDLIERSCH (542) Fossil. Ins.

Pyrochroophana gen. n. for *Pyrochroa brevipes* Deichm., *P.?* *major* Kalk Bayern sp. n. HANDLIERSCH (542) T.c.

Helophoropsis gen. n., nec *Hydrophilidae*, for *Helophorus brodiei* Gieb., HANDLIERSCH (543) T.c.

Sphaerodemopsis gen. n. for *Sphaerodema jurassicum* Opp., HANDLIERSCH (543) T.c.

Opsis gen. n., *bavarica* sp. n. Kalk Bayern, HANDLIERSCH (544) T.c.

Geotrupoides gen. n. for *Geotrupes lithographicus* Deichm., HANDLIRSCH (545) T.c.

Amarodes gen. n. for *Amara pseudozabrus* Deichm., HANDLIRSCH (545) T.c.

Chalepocarabus gen. n. for *Carabus elongatus* Brodie, HANDLIRSCH (546) T.c.

Cerylonopsis gen. n. for *Cerylon striatum* Brodie, HANDLIRSCH (547) T.c.

Parasilphites gen. n. for *Silphites angusticollis* Opp., HANDLIRSCH (547) T.c.

Procalosoma major, minor, spp. n. Kalk Bayern, HANDLIRSCH (548) T.c.

Chlaeniopsis gen. n. for *Chlaenius solitarius* Deichm., HANDLIRSCH (548) T.c.

Chrysomelophana gen. n. for *Chrysomela rara* Weyenb., HANDLIRSCH (549) T.c.

Scaphidiopsis gen. n. for *Scaphidium hageni* Weyenb., HANDLIRSCH (550) T.c.

Prochrysomela gen. n. for *Chrysomelites jurassicus* Opp., HANDLIRSCH (550) T.c.

Pseudotenebrio gen. n. for *Tenebrio inominatus* and *Hister relictus* Weyenb., HANDLIRSCH (550) T.c.

Microcoleopteron gen. n. for *Chrysomelites minimus* Opp., HANDLIRSCH (550) T.c.

Apiaria oppenheimi Kalk Bayern, HANDLIRSCH (552) T.c., sp. n.

Halticophana gen. n., *westwoodi* sp. n. Purbeck England, HANDLIRSCH (552) T.c.

Anapiptus gen. n., *brodiei* sp. n. Purbeck England, HANDLIRSCH (552) T.c.

Paragrillium gen. n. for *Elaterium barypus* Westw., HANDLIRSCH (553) T.c.

Metagrillium gen. n., *westwoodi* sp. n. Purbeck England, HANDLIRSCH (553) T.c.

Microelaterium gen. n. for *Elaterium triopas* Westw., HANDLIRSCH (554) T.c.

Parabuprestium gen. n. for *Buprestium teleas* Westw., HANDLIRSCH (554) T.c.

Ctenicerium gigas Purbeck England, HANDLIRSCH (555) T.c., sp. n.

Doggeria gen. n., *sibirica* Sibirien *Dogger, murchisoni* England Stones-
(N-9720 j)

field slate, spp. n., HANDLIRSCH (555) T.c.

Doggeriopsis gen. n., *stonesfieldiana* sp. n. England Stonesfield slate, HANDLIRSCH (556) T.c.

Paradoggeria gen. n., *acuminata* sp. n. England Stonesfield slate, HANDLIRSCH (556) T.c.

Bucklandula gen. n., *striata* sp. n. England Stonesfield slate, HANDLIRSCH (556) T.c.

Kelidus gen. n. for *Buprestium bolbus* Westw., HANDLIRSCH (556) T.c.

Glaphoptera gen. n., *anglica* sp. n. England Stonesfield slate, HANDLIRSCH (557) T.c.

Prionophana gen. n. for *Prionus antiquus* Westw., HANDLIRSCH (557) T.c.

Lamiophanes gen. n. for *Lamia schroeteri* Gieb., HANDLIRSCH (557) T.c.

Xylotupia gen. n., *brodiei* sp. n. England Stonesfield slate, HANDLIRSCH (557) T.c.

Mimema gen. n., *punctatum* sp. n. England Stonesfield slate, HANDLIRSCH (557) T.c.

Adikia gen. n., *punctulata* sp. n. England Stonesfield slate, HANDLIRSCH (558) T.c.

Katapiptus gen. n., *striolatus* sp. n. England Stonesfield slate, HANDLIRSCH (558) T.c.

Bothroptera gen. n. for *Curculionites westwoodi* Gieb., HANDLIRSCH (558) T.c.

Zygadenia gen. n. for *Curculionites tuberculatus* Gieb., HANDLIRSCH (558) T.c.

Ironicus gen. n. for *Harpalidium nothrus* Westw., HANDLIRSCH (558) T.c.

Diatarastus gen. n. for *Carabus westwoodi* Gieb., HANDLIRSCH (559) T.c.

Hydroporopsis gen. n. for *Hydroporus euptuni* Gieb., HANDLIRSCH (559) T.c.

Apistotes gen. n. for *Elater purbeckensis* Gieb., HANDLIRSCH (559) T.c.

Biadelater gen. n. for *Elater werneri* Gieb., HANDLIRSCH (559) T.c.

Kibdelia gen. n. for *Prionus ooliticus* Brodie, HANDLIRSCH (559) T.c.

Pallax gen. n., *prevosti* sp. n. England Stonesfield slate, HANDLIRSCH (560) T.c.

Pachycoleon gen. n. for *Buprestium woodlei* Westw., HANDLIRSCH (560) T.c.

Pseudocymindis gen. n. for *Cymindis antiqua* Gieb., HANDLIRSCH (560) T.c.

Tentyridium dilatatum Purbeck England, HANDLIRSCH (561) T.c., sp. n.

Kakoselia gen. n. for *Camtodontus angliae* Gieb., HANDLIRSCH (561) T.c.

Epomenus gen. n., *rugosus* sp. n. Purbeck England, HANDLIRSCH (562) T.c.

Stictulus gen. n., *brodiei* sp. n. Purbeck England, HANDLIRSCH (562) T.c.

Harpalomimes gen. n. for *Harpalus burmeisteri* Gieb., HANDLIRSCH (562) T.c.

Prosthenostictus gen. n. for *Crypticus angieri* Gieb., HANDLIRSCH (562) T.c.

Tychon gen. n. for *Helophorus antiquus* Gieb., HANDLIRSCH (563) T.c.

Memptus gen. n., *braueri*, *redtenbacheri*, spp. n., Siberia Dogger, HANDLIRSCH (563) T.c.

Pseudus gen. n., *purbeccensis* sp. n. England, HANDLIRSCH (563) T.c.

Pantodapus gen. n. for *Harpalus ewaldi* Purbeck England sp. n., HANDLIRSCH (464) T.c.

Helopidium rugosum, *dubium*, Purbeck England, HANDLIRSCH (565) Fossil. Ins., spp. n.

Kamaroma gen. n., *breve* sp. n. Purbeck England, HANDLIRSCH (565) T.c.

Katapontisus gen. n. for *Elmis brodiei*, HANDLIRSCH (565) T.c.

Semiglobus gen. n. *jurassicus*, *chrysomelinus*, spp. n., Purbeck England, and *Coccinella neptuni* Gieb., HANDLIRSCH (566) T.c.

Coccinellophana gen. n., *murchisoni* sp. n. England Stonesfield slate, HANDLIRSCH (566) T.c.

Prophasis gen. n. for *Chrysomela ignita* Gieb., HANDLIRSCH (566) T.c.

Hyperomima gen. n. for *Ilyperā antiqua* Gieb., HANDLIRSCH (567) T.c.

HYMENOPTERA.

Spolia hymenopterologica, SCHULZ, (iii + 356) 1 Taf. The larger part of this work is entitled "Strandgut," and consists of annotations on Dalla Torre's *Catalogus Hymenopterorum*. We have recorded all the new names, but not the other corrections and notes, which are very numerous.

Catalogue of Philippine Hymenoptera, BROWN Philippine J. Sci. Manila 1 1906 (683-695).

APIDAE.

Morphology and biology of solitary bees, SEMICHON (281-442) Bul. Sci. France Belgique Paris 40, plates xiii-xv.

Visual memory of bees, GRAENICHER Milwaukee Bull. Wis. Nat. Hist. Soc. 4 1906 (135-142).

Bees of Australia, peculiarities, COCKERELL (439) Nature 73.

Acanthopus excellens, doubtful synonymy, SCHROTKY (117) Zs. Hymenopter. Teschendorf 6.

Agapostemon vulpicolor sp. n. Costa Rica, CRAWFORD (162) Philadelphia Trans. Amer. Ent. Soc. 32.

Allodapa mirabilis sp. n. Kamerun, SCHULZ (245) *Spolia hymenopt.*

Andrena; Swiss species, continuation of tables and notes, FREY-GESSNER Hym. Helvet. 3 (277-340).—A., Smith's N. American species, COCKERELL (6-10, 33-37) Psyche 13.

A. gentianae sp. n. Canigou, [but T.c (179) is *tarsata* Nyl.], VACHAL Paris Bul. soc. ent. 1906 (131-134).—*A. cyanophila* (431), *micranthophila* (432), *ribesina* (433), *topazana*, *runcinatae*, (434), *lewisii*, *fragiliformis*, (435), *syrthyridis*, *sieverti*, (436), *lappulae* (437), *colletina* (454), spp. n., Colorado, *vicina argentiniae* subsp. n. (432), COCKERELL New York Bull. Amer. Mus. Nat. Hist. 22.—*A. sepulta* (44), *A. (?) clavula* (45), Colorado, COCKERELL Cambridge Mass. Bull. Mus. Harvard 50, spp. n.—*A. johnsoniana* New Mexico, *reilmartae* Colorado, COCKERELL (224) Ann. Mag. Nat. Hist. ser. 7 17, spp. n.—*A. (Frachandrena) perforatella* (306), *A. (Pterandrena) gardineri* (307), *A. lupinorum* (308), *pyrura* (309), *edviniae*

(310), Colorado; COCKERELL T.c., **spp. n.** —*A. virtuellii* redescribed, COCKERELL (310), T.c.—*A. nigriflula* **n. n.** for *nigrifluta* Morawitz nec Fabr., COCKERELL (74) Op. cit. **18.**—*A. metallescens* **nom. n.** for *metallica* Rad., COCKERELL (166) Canad. Entomol. **38.**

†*Anthidium scudderii*, *exhumatum*, Florissant, COCKERELL (38) Cambridge Bull. Mus. Harvard **50**, **spp. n.**—*A. repetitum* **nom. n.** für *A. integrum* Friese 1905, SCHULZ (263) Spolia hymenopt.

Anthoglossa aureotincta W. Australia, COCKERELL (16) Entomologist London **29**, **sp. n.**

Anthophora fedorica Texas (70), *anstrutheri* California (71), *arthuri* Colorado, *abruptella* California, (72), **spp. n.**, COCKERELL Philadelphia Trans. Amer. Ent. Soc. **32.**

Anthophoridae; catalogue and revision of North American, COCKERELL T.c. (63–116).

Anthrena dubiosa Asia Minor, KOHL (286) Wien Ann. Nat. Hist. Hofmus. **20**, **sp. n.**—*A. commutata* **nom. n.** für *gravida* Dours, *reclamata* **nom. n.** für *coarctata* Pérez, SCHULZ (241) Spolia hymenopt.

Apis; monograph (including reprint of Gerstaecker's 1862 paper); *A. meliponoides* **sp. n.** in amber (158); *A. mellifica* varr. *n. lehzeni* (184), *unicolor-intermissa* (187), *unicolor-friesei* (188), *indica-koschevnicovi* (192), *indica-picea* (193), BUTTEL-REEPEN Berlin Mitt. zool. Mus. **3.**

Apis; the species and their distribution, *A. indica* F. var. *javana* n., *A. florea* F. var. *fuscata* n. and var. *sumatrana* n., ENDERLEIN (331–344) Stettiner ent. Ztg. **67.**

Apis; Arten und Rassen und deren Berichtigung, KOSHEVNIKOV Věst. Obsč. pčelovod. **13** (99–106); *A. dorsata binghami* **nom. n.** for *zonata* Sm., *mellifera lamarchii* **nom. n.** for *fasciata* Latr., COCKERELL (166) Canad. Entomol. **38**; *A. mellifica*; Das Buch von der Biene, WITZGALL Stuttgart 1906 (x + 580); habits, PHILLIPS Pennsylvania Rep. Dept. Agric. Harrisburg **11** (679–691).

Leben der Bienen, BOHM, Leipziger Bienenztg. **21** (130–133, 149–150); Nidification à l'air libre, BOUVIER Paris (n-9720 j)

Ann. soc. ent. **75** 1906 (429–444) plates xviii–xx; also Paris C.-R. Acad. sci. **142** 1906 (1015–1020).—Division du travail, abeille, BONNIER (941–946) Paris C.-R. Acad. Sci. **143.**

Bau der Waben, Gründe für das Schwärmen, RISCH Russ. pčelovod. listok **19** (390–393).—Schwärmen, DICKEL D. ill. Bienenztg **23** (86–88, 103–105, 120–123, 135–137, 149–150, 163–165, 179–183); DIATSCHENKO Zs. wiss. Insektenbiol. Hsunt **2** 1906 (285–288).—Entgegnung darauf v. H. v. Buttel-Reepen ebenda (359–361).—Künstliche Schwärme, BRUKSCH Russ. pčelovod. listok **19** (394).—Abhängigkeit des Schwärmens von der Fruchtbarkeit der Königin und der Ausgiebigkeit der Tracht., DIAČENKO Russ. pčelovod. listok **21** (11–17, 42–47).—Länge des Rüssels, KULAGIN Zool. Anz. **29** (711–716) and **30**, (462).—Wachsdriisen, ARNHART Zool. Anz. **30** (719–720).—Circulation of blood, ARNHART, Zool. Anz. **30** (721–722).—Athmungsorgane, Lautäusserungen, DIAČENKO Moskva Ann. Inst. agron. **12** (1–14).—Erkennungsvermögen durch den Geruchssinn, KONDRATENKO Russ. pčelovod. listok **21** (17–18).—Einfluss des Kunstwaben auf Grösse, etc., GOLITSYN Russ. pčelovod. listok **21** (75–82, etc., etc.).—Odeur, FORESTIER Abeille et sa culture Huy 1905 (231–232, 248–251).—Drohnen keine Wärmeerzeuger, DIAČENKO Russ. pčelovod. listok **19** (394).—Königinzucht, BRÜNNICH Leipziger Bienenzeitung **21** 1906 (3–5); Bemerkung dazu v. H. Mulot. l.c. (99–100) u. Erwiderung d. Verf. (115–116).—Gegenseitige Hilfeleistung, SMIRNOV Russ. pčelovod. listok **21** (353–355).—Spermatogenesis, DONOASTER Anat. Anz. **29** (490–491).—Wiederholte Begattung der Königin, SMIRNOV Russ. pčelovod. listok **21** (301–303).—Parthenogenese und Hervorbringung des Geschlechts, (Russ.), SMIRNOV Kazan' Trd. Obsč. pčelovod. **1** **2**, (9–18).—Verbesserung der Rasse durch künstliche Auslese, BUTKRVIO Russ. pčelovod. listok **21** (47–51, 78–74, 113–115).—Mathematische Betrachtungen über den Bau der Zelle, BÉLJAVSKIJ Věst. Obsč. pčelovod. **13** (76–79).

Augochlora ferrida = (*chorisia* Vach.), COCKERELL (162) Canad. entomol. **38.**

Augochloropsis (*Paraugochloropsis*) *celazeno* Paraguay, SCHRÖTFKY (30) An.

cient. Paraguay 1 No. 6, sp. n.—*A. (Parangochloropsis subg. n.) lycorias* Paraguay, *A. (Pseudogochloropsis subg. n.) shena* Argentina (313), *euryale* Paraguay, (314), SCHROTTKY Zs. Hymenopter 6, spp. n.

Biglossa, gen. n. near *Colletes* and *Andrena* (374), *thoracica*, *laticeps*, (376), *similis* (377), *chalybea*, *caerulescens*, (378), *aenea*, *armata*, (379), spp. n., Argentina and Chile, FRIESE Zs. Hymenopter 6.

Bombus; Psychologie, Nestbau, Rückkehr, etc., WAGNER Zoologica H. 46 I (= Bd 19, Lfg 2), 1906 (iii + 78, Taf.).—Routes, etc., SUNDVIK (156-160) Helsingfors Medd. Soc. Fauna Fl. Fenn. 32.—Ethologie, LIE-PETERSEN (42) Bergens Mus. Aarb. 1906 No. 9 (42); and (193-213), Bergen Naturen 30.—*B. deuteronymus* nom. n. für *senilis* F. Sm. 1879, SCHULZ (267) Spolia hymenopt.—*B. ephippiatus lateralis* = (*leucomelas* Cr. and Sw.), habitat, CRAWFORD (157) Philadelphia Pa. Trans. Amer. ent. Soc. 32.—*B. feridus* copula, FAIRCHILD and BARRETT Washington D.C. Proc. Ent. Soc. 8 (13-14).—*B. haemorrhoidalis*, habits in India, BURKILL Calcutta J. As. Soc. 2 (521-525).—*B. iridis phacelia* subsp. n., COCKERELL (160) Canad. Entomol. 38.—*B. kohli* n. n. für *carbonarius* Handl., COCKERELL (75) Ann. Mag. Nat. Hist. ser. 7 18.—*B. lapidarius* mit abnormem Flügelgäader, TARNANI Novo. Aleksandrija Zap. Inst. selisk. choz. 18 (106-134).—*B. terrestris*, migration and return, LUCKHAM (65) Entomologist 1906.

†*Calyptapis* gen. n. Anthophoridae (41), *florissantensis* sp. n. Colorado (42), COCKERELL Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. 50.

Camptopoeum chilense (173) Chilo, *flaviventre*, *steinbachi*, (174), *minutum* (175), Argentina, spp. n., FRIESE Zs. Hymenopter 6; cf. also *Liopoeum*.

Caupolicana steinbachi, *ruficollis*, Argentina, spp. n., *fulvicollis* var. n. *gregia*, FRIESE (229) Zs. Hymenopter. 6.—*C. albicollis* sp. n. Argentina, SMITH (57) Ent. News 17.

Centris morsei marginata; *C. atripes* = (*foxi* Friese); COCKERELL (72) Ann. Mag. Nat. Hist. ser. 7 18.—*C. friesei* sp. n. Costa Rica, CRAWFORD (158) Philadelphia Pa. Trans. Amer. Ent.

Soc. 32.—*C. possograndensis* characters. SCHROTTKY (118) Zs. Hymenopter Teschendorf 6.

†*Ceratina disrupta* sp. n. Florissant, COCKERELL (37) Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. 50.

Chalicodoma caementaria Meinecke = (*muraria* anett.), COCKERELL (316) Ann. Mag. Nat. Hist. ser. 7 17.

Coelioxys; monograph of Spanish, DUSMET Madrid Bol. Soc. espan. 6 (134-151).—*C. sumatrana* (253), *lipotaxis* (255), spp. n., Sumatra, ENDERLEIN Stettiner ent. Ztg. 67.—*C. melanopus* nom. n. für *nigripes* Friese 1905, *postponendus* nom. n. für *simplex* Friese 1904, *recusatus* nom. n. für *convergens* Friese 1904, SCHULZ (265) Spolia hymenopt.

Colletes clypeonitens California (39), *petalostemonis*, *solidaginis*, Nebraska, (40), *ochraceus* California, *rufithorax* N. Jersey (42), *pulcher* Texas (43), spp. n., *brachycerus* nom. n. for *brevicornis* Perez (44), SWENK Canad. Entomol. 38.—*C. salicicola geranii* subsp. n., *tucsonensis* sp. n. Arizona, COCKERELL (163) Canad. Entomol. 33.—*C. sieverti* (424), *florissantia*, *polemonii*, (425), Colorado, COCKERELL New York Bull. Amer. Mus. 22, spp. n.—*C. hesperius*, *crawfordi*, (257), *lacustris* (258), *pleuralis*, *birkmanni*, (259), United States, SWENK Ent. News 17, spp. n.—*C. andreuxi* (311), *opuntiae* (312), *hydrophilus* (313), *phaceliae* (315), Colorado; COCKERELL Ann. Mag. Nat. Hist. ser. 7 17, spp. n.—*C. kiucuidi* ♂, COCKERELL (314) T.c.

Crocisa praevalens Asia Minor, KOHL (243) Wien Ann. Hofmus. 20, sp. n.—*C. fallibilis* Südarabia, KOHL (20) Hym. Südarab., sp. n.—*C. frieseana* nom. n. for *aira* Fr., COCKERELL (166) Canad. Entomol. 38.—*C. forbesii* Kirby to *Nomia*, KOHL (11) Hym. Südarab.

Ctenoplectra, *chalybea* and *ragans*, COCKERELL (360) Ann. Mag. Nat. Hist. ser. 7 17.

Cyphomelissa pernigra and *Melissa diabolica* doubtfully distinguished, SCHROTTKY (116) Zs. Hymenopter. Teschendorf 6.

Dasygoda spinigera Asia Minor, KOHL (237) Wien Ann. Nat. Hist. Hofmus. 20, sp. n.—*D. illegalis* nom. n.

für *minor* Pérez 1902-3, SCHULZ (242) *Spolia hymenopt.*

Dialictus costaricensis sp. n. Costa Rica, CRAWFORD (163) Philadelphia Trans. Amer. Ent. Soc. 32.

†*Dianthidium tertiarium* sp. n. Florissant, COCKERELL (39) Cambridge Bull. Mus. Harvard Coll. 50.

Epeloides septemnotata ♀, FRIESE (172) Zs. Hymenopter. 6.

Eucera (Macrocera) plumigera Asia Minor, KOHL (235) Wien Ann. Nat. Hist. Hofmus. 20, sp. n.—*E. (Macrocera) odontophora* S. Arabia, KOHL (8) Hymen. Südarab., sp. n.—*E. (Tetralonia) herbsti*, *E. nigriceps*, Chile, spp. n., FRIESE (171) Zs. Hymenopter. 6.

Eulaema nec Eulema, COCKERELL (166) Canad. Entomol. 38.

Euryglossa ichneumonoides, W. Australia, COCKERELL (17) Entomologist London 29, sp. n.

Exaerete smaragdina, habits, DUCKE (18) Zs. wiss. Insektenbiol. 2.

Exomalopsis snovi Texas, COCKERELL (73) Ann. Mag. Nat. Hist. Ser. 7 18, sp. n.—*E. caerulea* Chile (169), *longicornis* Argentina, *herbsti* Chile, (170), spp. n., FRIESE Zs. Hymenopter. 6.

Gastropsis victoriorae S. Australia, COCKERELL (15) Entomologist London 29, sp. n.

Greeleyella beardleyi ♂, COCKERELL (164) Canad. Entomol. 38.

Halictoides schmiedeknechti Asia Minor, KOHL (240) Wien Ann. Hofmus. 20, sp. n.—*H. harveyi* New Mexico, COCKERELL (223) Ann. Mag. Nat. Hist. Ser. 7 17, sp. n.—*H. fallugiae* New Mexico, COCKERELL (359) T.c., sp. n.

Halictus; its subgenera (394, 395); *postscutellaris* (395), *H. (Corymura) anthidioides*, *inflaticeps*, (397), *banarae*, *hemidisidae*, *polybioides*, (398), *crotonis*, *difficillimus*, (399), Brazil, DUCKE Zs. Hymenopter. 6, spp. n.—*H. (Lucasius) holtzi* Creta, SCHULZ (49) *Spolia Hym.*, sp. n.—*H. anellus*, *metopias*, (238), *patulus*, *tenuiceps*, Asia Minor, *uncinus* Bussara (?), (239), VACHAL Wien Ann. Hofmus. 20, spp. n.—*H. atroviridis* sp. n. Cape Town, CAMERON Trans. S. Afric. Phil. Soc. 16 (325).—*H. warburtoni*, *mitchelli*, *burkei*, Tasmania, (58), *willsi* Australia, *sturti*, *leichardti*, (59),

forresti (60), Queensland, COCKERELL Entomologist London 1906, spp. n.—*H. arapahonum* Colorado, COCKERELL (316) Ann. Mag. Nat. Hist. Ser. 7 17, sp. n.—*H. swenki* sp. n. Nebraska, CRAWFORD Ent. News 17 (275-276).—*H. (Evyxus) synthyridis* (427), *H. (Chloralictus) scrophulariae* (428), Colorado, COCKERELL New York Bull. Amer. Mus. 22, spp. n.—*H. fedorensis*, *robertsoni*, (4), *birkmanni*, *lineatulus*, (5), *pecosensis* (6), N. America, CRAWFORD Canad. Entomol. 38, spp. n.—*H. pruinosiformis* Texas, CRAWFORD (284) T.c., sp. n.—*H. rachali* Oregon (300), *cooleyi* Montana (301), *cordleyi* Oregon (302), *atriventris* Brit. Columbia (303), CRAWFORD T.c., spp. n.—*H. indistinctus* sp. n. Costa Rica, CRAWFORD (163) Philadelphia Trans. Amer. Ent. Soc. 32.—*H. konowi* sp. n. Peru (80), DUCKE Zs. Hymenopter. 7.

†*H. florissantellus*, *scudderellus*, Florissant, COCKERELL (43) Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. 50, spp. n.

†*Heriades laminarum*, *halictinus*, (40), *bouditchi* (41), Florissant, COCKERELL Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. 50, spp. n.

Homachthes gerstückeri nom. n. für *dichrous* F. Sm. 1854, SCHULZ (267) *Spolia hymenopt.*

Hylaeosoma ashmeadi sp. n. Costa Rica, CRAWFORD (161) Philadelphia Trans. Amer. Ent. Soc. 32.

Koptorthosoma; the acarid chamber, GREEN and OUDEMANS's Gravenhage Tijdschr. Ent. 49 Versl. (1).

†*Libellulapis* gen. n. *Andrenidae*, *antiquorum* sp. n. Colorado, COCKERELL (42) Cambridge Bull. Mus. Comp. Zool. Harvard Coll. 50.

Liopoeum subgen. n. (*Camptopoeum*) for *hirsutulum* etc., FRIESE (176) Zs. Hymenopter. 6.

†*Lithandrena* gen. n. *Andrenidae*, *saxorum* sp. n. Colorado, COCKERELL (44) Cambridge Bull. Mus. Harvard 50.

Lithurgus lateiceps sp. n. Argentina, FRIESE (176) Zs. Hymenopter. 6.

Macroglossapis cockerelli, *nigravillosa*, Costa Rica, CRAWFORD (160) Philadelphia Pa. Trans. Amer. Ent. Soc. 32, spp. n.

Megachile naevia Sokótra (15), *M. (Chalicodoma) heliui* S. Arabia (19), KOHL Hym. Südarab., **spp. n.**—*M. harri-soni* Sumatra, COCKERELL (368) Ann. Mag. Nat. Hist. ser. 7 **17**, **spp. n.**—*M. doddiana* (530), *suffusipennis*, *fulvo-marginata*, (531), *atrella* (532), *hampsoni* (533), *waterhousei*, *quinquelineata*, (534), *nigrovittata*, *darwiniiana*, (535), *cygnorum* (536), *gahani*, *kirbyana*, (537), *tomen-tella* (538), *rhodura*, *austeni*, (539), Australia, COCKERELL Ann. Mag. Nat. Hist. ser. 7 **17**, **spp. n.**—*M. opuntiarum* Colorado, COCKERELL (229) T.c., **spp. n.**—*M. giliae* **spp. n.** Colorado (452), *wootoni rohweri* subsp. n. (453), COCKERELL New York Bull. Amer. Mus. **22**.

Megaloptella subg. n. of *Megalopta* for *ochrias* Vach., SCHROTTKY (312) Zs. Hymenopter. **6**.

Melecta niveipes **spp. n.** Capland (287), ENDERLEIN Stettiner ent. Ztg. **67**.

Melipona beccarii, THEOBALD Khar-toum Rep. Wellcome Res. Lab. **2** (87-88) figs. 43, 44.

Melissa (Mesocheira) duckeii **spp. n.** Pará, FRIESE (199) Zs. Hymenopter. **6**.

Melissodes baileyi (361), *xanthoptera-lis*, *megacerata*, (362), Texas, *pimella* Arizona (363), *petulciformis* Texas (364), *helenae* New Mexico (365), *confusiformis* Texas (366), **spp. n.**; *M. agilis semiagilis* subsp. n. (364); *M. agilis subagilis* subsp. n. (367); COCKERELL Ann. Mag. Nat. Hist. Ser. 7 **17**.—*M. texana* subsp. n. *flaveriae* (108), *atripes* var. n. *acomanche* (109), COCKERELL Philadelphia Trans. Amer. Ent. Soc. **32**.—*M. melandri* (109), *bruesi* (110), *wheeleri* (111), *wickhami* (112), N. America, **spp. n.**, COCKERELL Philadel-phia Trans. Amer. Ent. Soc. **32**.—*M. lipenoxidis* **spp. n.**, Colorado, COCKERELL (443) New York Bull. Amer. Mus. **22**.—*M. illata* (110), *apicata* (111), Maine, LOVELL and COCKERELL Psyche **13**, **spp. n.**

Melitta americana, COCKERELL (5) Psyche **13**.

Melittosmithia **nom. n.** für *Smithia* Vachal, SCHULZ (244) Spolia hymenopt.

Mesotrichia, *Xylocopa* and *Koptortho-soma*, COCKERELL (364) Canad. Entomol. **38**.

Micranthophora subgen. n. for *Antho-phora* parí, COCKERELL (66) Phila-delphia Trans. Amer. Ent. Soc. **32**.

Neopasites robertsoni Nebraska, CRAW-FORD (283) Canad. Entomol. **38**, **spp. n.**

Nomada coxalis cretensis subsp. n. SCHULZ (67) Spolia Hym.—*N. solidagi-nis* host; FRISBY (90) Ent. Mag. London **42**; CHITTY T.c. (116); EVANS T.c. 140.—*N. odontophora* Asia minor, KOHL (245) Wien Ann. Hofmus. **20**, **spp. n.**—*N. packardiella* Colorado (225), *vallesina* New Mexico (226); COCKERELL Ann. Mag. Nat. Hist. Ser. 7 **17**, **spp. n.**—*N. pulsatillae* (69), *undulaticornis* (70), Colorado, *flammigera* Washington (71); COCKERELL Op. cit. **18**, **spp. n.**—*N. rohweri* (438), *cymbalariae* (439), Colorado, COCKERELL New York Bull. Amer. Mus. Nat. Hist. **22**, **spp. n.**—*N. ornithica* Colorado, COCKERELL (162) Canad. Entomol. **38**, **spp. n.**—*N. jennei* Wash-ington State, COCKERELL (281) T.c., **spp. n.**—*N. emendata* **nom. n.** für *rubra* F. Sm., *sericultorum* **nom. n.** für *superba* Pérez (259), SCHULZ Spolia hymenopt.

Nomia = (*Pseudapis* Kirby), *N. ano-mala* (8); *parca* (10), *triadonta* (13), S. Arabia, **spp. n.**; KOHL Hym. Südarab.—*N. melandri* Washington State, COCKE-RELL (279) Canad. Entomol. **38**, **spp. n.**

Odyneropsis holosericea and *Rhatymus armatus* distinguished, SCHROTTKY (115) Zs. Hymenopter. Teschendorf **6**.

Oediscelis herbsti (227), *albida* (228), *O. (Pseudiscellis) subg. n.* *rostrata* (228), Chile, FRIESE Zs. Hymenopter. **6**, **spp. n.**

Oreopasites **gen. n.** *Philereminae*, *scituli* **spp. n.** Colorado, COCKERELL (442) New York Bull. Amer. Mus. **22**.

Osmia duckeana (241), *grossepunctata*, *pentheri*, (242), Asia minor, KOHL Wien Ann. Hofmus. **20**, **spp. n.**—*O. megaceps* Sokótra, KOHL (14) Hym. Südarab., **spp. n.**—*O. capensis*, **spp. n.** Cape Town, CAMERON Trans. S. Afric. Phil. Soc. **16** (323).—*O. hesparella*, *gaillardiae*, (227), *wilmattae* (228), *coloradella* (229), Colorado, **spp. n.**; *O. lignaria lignariella* subsp. n. (227); COCKERELL Ann. Mag. Nat. Hist. ser. 7 **17**.—*O. cyaneovittens* (448), *wheeleri*, *hypochrysea*, (449), *floris-anticola*, *albolateralis*, (450), *pentste-monis*, *subtrevoris*, *giliarum*, (451), Colorado, COCKERELL New York Bull. Amer. Mus. **22**, **spp. n.**—*O. hypocrita* Colorado, COCKERELL (160) Canad. Entomol. **38**, **spp. n.**

Oxyredys beroni and *Hopliophora evelina* distinguished, SCHROTTKY (116) Zs. Hymenopter. Teschendorf 6.

Panurginus cressoniellus calochorti subsp. n., COCKERELL (222) Ann. Mag. Nat. Hist. ser. 7 **17**.—*P. (Ephimethea) herbsti* Chile, FRIESE (172) Zs. Hymenopter. **6**, sp. n.

Paracolletes hobartensis Tasmania (23), *worsfoldi* (24), *rudis, perfasciatus*, (25), *subfuscus* (26), *thornleighensis* (27), Australia; COCKERELL Ann. Mag. Nat. Hist. **7 17**, spp. n.

Parammobates gen. n., *brasiliensis* sp. n., FRIESE Zs. Hymenopter. **6** (118).

Paraugochloropsis subg. n. cf. *Augochloropsis*.

Perdita pratti (125), *coreopsidis* (126), *bishoppi* (148), with var. (149), *cambarella* (150), Texas; COCKERELL Entomologist 1906, spp. n.—*P. jonesi* (177), *dallasiana* (178), spp. n., Texas; *xanthisme sideranthi* subsp. n. (178); COCKERELL, T.c.—*P. tortifoliae, florissantella*, (440), *wilmattae* (441), Colorado, COCKERELL New York Bull. Amer. Mus. **22**, spp. n.—*P. cockerelli* Nebraska, CRAWFORD (282) Canada Ent. **38**, sp. n.

Podalirius snbaequus Asia Minor, KOHL (234) Wien Ann. Nat. Hist. Hofmus. **20**, sp. n.—*P. binghami* nom. n. für *Anthophora crocea* Bingham, *khasianus* nom. n. für *Habropoda fulvipes* Cam., *malenominatus* nom. n. für *capensis* Friese, (253), SCHULZ *Spolia hymenopt.*

Prosopis fedtschenkoi nom. n. for *frontalis* Mor., *pereziana* nom. n. for *morawitzi* Per., COCKERELL (166) Canad. Entomol. **38**.—*P. diplonyma* nom. n. für *cognata* Pérez (237), *pereziana* nom. n. für *morawitzi* Pérez (238), SCHULZ *Spolia hymenopt.*—*P. robertiana* n. sp. Cape Town, CAMERON Trans. S. Afric. Phil. Soc. **16** (325).—*P. universitatis* Colorado, COCKERELL (225) Ann. Mag. Nat. Hist. ser. 7 **17**, sp. n.—*P. tuertonis* sp. n. Florissant, COCKERELL (423) New York Bull. Amer. Mus. **22**.—*P. petrosalini* (8), *polybioides* (9), *guaranitica* (10), *paulistana* (12), *opaca* (14), *rivalis* (15), *tricolor* (18), *itapuensis* (19), *paraguayensis* (20), *cockerelli* (21), *tristis, hydrophila*, (24), *xanthocephala* (25), *iridipennis* (26), *arenaria* (27), *longicornis* (28),

Paraguay, SCHROTTKY An. Cient. Paraguay **1** No. 6, spp. n. [Though most of these are not so indicated.]

Prosopistemon gen. n. near *Prosopis, scrotenellum* sp. n. Queensland; COCKERELL (17) Entomologist London **29**.

Protandrena meridionalis Paraguay, SCHROTTKY (314) Zs. Hymenopter. **6**, sp. n.

Psagenyphia collaris Paraguay, SCHROTTKY (315) T.c., sp. n.

Pseudaugochloropsis subg. n. cf. *Augochloropsis*.

Pseudiscelis subg. n. cf. *Oediscelis*.

Ptiloglossa; nesting habits, SCHROTTKY Zs. wiss. Insektenbiol. **2** (323-325). *P. ochracea, chalybea*, Argentina, KONOW (221) Zs. Hymenopter. **6**, spp. n.

Rhathymus acutiventris Chiriqui, R. versicolor Guyaquil, (120), *fulvus* Brazil (121), spp. n., FRIESE Zs. Hymenopter. **6**.

Sphecodes hesperellus pulsatillae subsp. n.; COCKERELL (75) Ann. Mag. Nat. Hist. ser. 7 **18**.—*S. cameroni* nom. n. für *iridipennis* Cam., *problematicus* nom. n. für *gracilior* Pérez, SCHULZ (235) *Spolia hymenopt.*—*S. bruchi* (305), *andinus*, Argentina, *capriciosus* (306), *paraguayensis*, Paraguay, *patagonicus* (307), *melanopus*, Patagonia, *argentinus* Catamarca, (308), *variabilis* Paraguay (309), *mutillaeformis* Argentina (310), SCHROTTKY Zs. Hymenopter. **6**, spp. n.—*S. eustictus* Colorado, COCKERELL (163) Canad. Entomol. **38**, sp. n.—*S. columbiae* Washington State, COCKERELL (280) T.c., sp. n.—*S. sulcatus* Colorado, COCKERELL (426) New York Bull. Amer. Mus. **22**, sp. n.

Tetralonia fedoris, birkmanniella, Texas, (93), *annae* (114) N. Mexico, spp. n.; *edwardsii vagabunda* subsp. n. (95), COCKERELL Philadelphia Trans. Amer. Ent. Soc. **32**.—*T. araucana* nom. n., für *nigripes* Friese, SCHULZ (252) *Spolia hymenopt.*—*T. yakimensis, douglasiana*, Washington State, COCKERELL (278) Canad. Entomol. **38**, spp. n.

Thygalter Holmb. is prior to *Macroglossapis*, COCKERELL (74) Ann. Mag. Nat. Hist. ser. 7 **18**.

Titusella gen. n. *Heriadinæ* (445), *pronitens* sp. n. Colorado (446), COCKERELL New York Bull. Amer. Mus. **22**.

Trigona: supposed carnivorous habits, DUCKE (18) Zs. wiss. Insektenbiol. 2.

Xenoglossa brevicornis ♀, COCKERELL (367) Ann. Mag. Nat. Hist. ser. 7 17.—*X. pruinosa limitaris* subsp. n., COCKERELL (73) Op. cit. 18.

Xenoglossodes neotomae sp. n. New Mexico, COCKERELL (314) Philadelphia Trans. Amer. Ent. Soc. 32.

Xylocopa caffrariae enderleini n. nom., SCHULZ (251) Spolia hymenopt.—*X. tarsata wellmani* var. n., COCKERELL (364) Canad. Entomol. 38.—*X. vicilecca*, alimentary canal; BORDAS (233-250) Rennes Bul. Soc. Sci. Med. 14.

The following *Apidae* have been previously recorded in the Zoological Record.

(*Allodape interrupta*, *bouyssoni*, *leis*, *nigricollis*, *rolini*, *pulla*, *vitrea*, spp. n., *interrupta collaris* var. n., Congo, VACHAL, Paris Ann. Soc. ent., 72, 1903.)

(*Ancyloscelis baeri*, *flitarsis*, *turmalis*, *girardi*, *humilis*, *analisis*; VACHAL, Rev. ent. Caen (9-26), 23, 1904, spp. n.)

(*Anthidium bouyssoni*, *severini*, *ben-guelensis*, Congo, VACHAL, Paris Ann. Soc. ent., 72, 1903, spp. n.—*A. bicoloratum* Sm. *tucumanum* var. n., VACHAL, Rev. ent. Caen, 23, 1904.)

(*Anthophora annos*, *aerizusa*, Congo, VACHAL, Paris Ann. Soc. ent., 72, 1903, spp. n.—*Anthophora hirpex*, VACHAL, Rev. ent. Caen, (9-26), 23, 1904, sp. n.—*A. corvicolor*, California, COCKERELL, Ent. News, 16, 1905, (81-13), sp. n.)

(*Bombomelecta johnsoni*, Colorado, COCKERELL, Ent. News, 16, 1905, (270-272), sp. n.)

(*Bombus baeri*, *tucumanus*? VACHAL, Rev. ent. Caen, (9-26), 23, 1904, spp. n.—*B. rufosuffusus*, Colorado, COCKERELL, 16, 1905, (270-272), sp. n.)

(*Cauloplicana mystica* Schrottky *baeriana* var. n., VACHAL, Rev. ent. Caen, 23, 1904.)

(*Centris autrani*, VACHAL, Rev. ent. Caen, (9-26), 23, 1904, sp. n.)

(*Cervatina bouyssoni*, *acrcola*, *ericia*, *moerenhouti*, *lineola*, *coesia*, Congo, VACHAL, Paris, Ann. Soc. ent., 72, 1903, spp. n.)

(*Chilicola* (?) *orientalis*, VACHAL, Rev. ent., Caen, 23, 1904, sp. n.)

(*Calioxys Bouyssoni*, *nigripes*, *lanuginza*, Congo, VACHAL, Paris, Ann. Soc. ent., 72, 1903, spp. n.—*C. strigata*, *miranda*, VACHAL, Rev. ent., Caen, (9-26), 23, 1904, spp. n.)

(*Colletes catulus*, *virgatus* VACHAL, T.c. spp. n.)

(*Crocisa scotaspis*, *pretexta*, *axillaris*, *calceata*, *hyalinata*, *melipes*, *delumbata*, *arcuata*, *tschoffeni*, *bouyssoni*, *calcarata*, *interrupta*, VACHAL, Paris, Ann. Soc. ent., 72, 1903, spp. n.)

(*Diphaglossa* (?) *gaullei*, VACHAL, Rev. ent., Caen, 23, 1904, sp. n.)

(*Euphoropsis murihirta*, California. COCKERELL, Ent. News, 16, 1905, (81-83), sp. n.)

(*Epeolus* (?) *baeri*, VACHAL, Rev. ent., Caen, 23, 1904, sp. n.)

(*Eriades bouyssoni*, Congo, VACHAL, Paris, Ann. Soc. ent., 72, 1903, sp. n.)

(*Halictus hotoni*, *duponti*, *scobis*, *crocinus*, *undulus*, *capnopus*, *surdus*, *australis*, *atricus*, *barbatus*, *bouyssoni*, *hoedillus*, *alluandi*, *haasi*, *evanidus*, *mixtiscapis*, Congo, VACHAL, Paris, Ann. Soc. ent., 72, 1903, spp. n.—*H. nigromarginatus* *cyanomigrans*, *terrestris* *coerulearum*, *terrestris* *eufisetis*, *caligans* *dilestipes*, varr. n., VACHAL, Misc. ent., Narbonne, 11, 1903.—*H. pissi* ♀, *coloradinus* ♀, nov. nom. (pro *coloradensis* Crawford 1901), *kohliellus* ♀, *chiriquiensis* ♀, *leucoculus* ♀, *chalcis* ♀, *divaricatus* ♀, *podager* ♂, *securatus* ♀, *gaullei* ♀, *schulthessi* ♀, *obnuptus* ♀, *palumbes* ♀, *columbus* ♀, *macellus* ♀, *dolator* ♀, *coelator* ♀, *purpurissimus* ♀, *scitulus* ♀, *mitratus* ♀, *cuprellus* ♀, *andensis* ♂, *brachycerus* ♂, *chastops*, ♂, *custiceps* ♂, *iodurnus* ♂, *canosus* ♂, *cicindulus* ♂, *rectangulus* ♂, *scitulus* ♂, *afriodis* ♂, *dilatior* ♂, *paean* ♀, *fuscicrinis* ♀, *nitidicollis* ♀, *multiflex* ♀, *sympleres* ♀, *radians* ♀, *quadrans* ♀, *taurifrons* ♀, *nigriscopis* ♀, *levidorsis* ♀, *pendens* ♀, *pateus* ♀, *aurifrons* ♀, *acritalis* ♀, *anthrax* ♀, *brethesi* ♀, *apsidialis* ♀, *varians* ♀, *pentheres* ♀, *cyclis* ♀, *rotalis* ♀, *imperialis* ♂, *sparsilis* ♂, *discors* ♂, *angularis* ♂, *drepanis* ♂, *notialis* ♂, *elachion* ♂, *bractealis* ♂, *cherazon* ♀, *chaperi* ♀, *fornix* ♀, *sodalis*.

♀, *argoides* ♂, *ochrias* ♂, *aethantis* ♂, *ephelix* ♀, *phacodes* ♀ ♂, *trinax* ♀, *grammodes* ♀, *rhytis* ♀, *phoenicis* ♀, *pyrrhorrhix* ♀, *fugax* ♀, *aquamans* ♀, *crossotus* ♀, *cicur* ♀, *spizion* ♂ ♂, *lampter* ♀, *losipion* ♀ ♂, *nean* ♀ ♂, *hypixis* ♀ ♂, *chlerogas* ♀, *chrysops* ♀, *aubrani* ♀, *ditlachos* ♀, *nossax* ♀, *norops* ♀, *compar* ♀, *agraptes* ♂, *lopodion*, nov. nom. (= *Cacosoma agile* Sm.), *azyx*, *chlorocion*, *trachyce* ♂, *tradux* ♀, *leontodes* ♂, *aspi-cordis* ♂, *sordicutis* ♀, *eupriventris* ♀, *elachion* ♀, *praepotens* ♀, *crawfordi* ♂ ♂, *inermis* ♀ ♂, *cyanonigrans* ♀, *fulgur*, *aequilaris* ♀ ♂, *joannisi* ♀ ♂, *mesomelas* ♀, *fugax* ♀, *alaris* ♀, *vallensis* ♀, *tonsilis* ♀, *compar* ♀, *chaetops* ♂, *prothyrsteres* ♂, *chloris* ♂, *lepidodes* ♀, *nictans* ♀, *nycteris* ♀, *pleurites* ♀, *liguys* ♀, *icosi* ♀, *triacontas* ♀, *marginans* ♀, *stilborhin* ♀ ♂, *riverai* ♂ ♂, *rutilans* ♀, *sequax* ♀, *pygion* ♀, *notoplex* ♀, *diploon* ♀, *cercops* ♀ ♂, *cyancon* ♀, *codion* ♂ ♂, *caligans* ♀ ♂, *pattoni* nov. nom. (= *Aug. humeralis* Patton), *hemichrysis* ♀ ♂, *terrestris* ♀, *montensis* ♀, *cubiceps* ♀ ♂, *rudis* ♀ ♂, *scabrifrons* ♀ ♂, *cholas* ♀ ♂, *cirrhopus* ♀ ♂, *illustris* ♀ ♂, *chorisis* ♀ ♂, *notophos* ♂ ♂, *dirhipis* ♀ ♂, *toralis* ♀ ♂, *pullatus* ♂ ♀, *haemorrhous*, VACHAL, Misc. ent. Narbonne, **11**, 1903, spp. n.—*II. baeri*, *alticola*, VACHAL, Rev. ent. Caen, **23**, 1904, spp. n.)

(*Lithurgus pullatus*, Congo, VACHAL, Paris, Ann. Soc. ent., **72**, 1903, sp. n.)

(*Lonchopria*, gen. n., *herbsti*, sp. n., (204), VACHAL, Paris, Bul. soc. ent., **1905**, sp. n.)

(*Macrocera baeri*, *linearis*, *brethesi*, *buccosa*, *eurtata*, *discobola*, *arrhenica*, *dama*, VACHAL, Rev. ent. Caen, (9-26), **23**, 1904, spp. n.)

(*Manuelia*, gen. n., VACHAL, Paris, Bul. soc. ent., **1905**.)

(*Megachile* (*Chalcidodoma*) *lucidifrons*, FERTON, Paris, Ann. soc. ent., **74**, sp. n.—*M. maritanda*, *loosi*, *brochidens*, *randa*, *muscaria*, *pallorea*, *semierma*, *aneillula*, *xanthoptera*, *strictipalpis*, *altera*, *utra*, *sosia*, *hopitis*, *meles*, *hecata*, *bouyssonii*, *stuppea*, *biseta*, *trichora*, *exesa*, *devera*, *diponti*, Congo, VACHAL, Paris, Ann. soc. ent., **72**, 1903, spp. n.—*M. arclos*, *patagonica*, *vetula*, *rufiplantis*, *baeri*, *laevinasis*, *eburnipes*, *schrottkyi*, *nubila*, VACHAL, Rev. ent. Caen, **23**, 1904, spp. n.—*Megachile angustini*, New Mexico and California,

COCKERELL, Ent. News, **16**, 1905, (81-83), sp. n.)

(*Melipona baeri*, VACHAL, Rev. ent. Caen, (9-26), **23**, 1904.—*M. (Tr.) cearina*, (Tr.) *ogonensis*, (Trig.) *denoiti*, (Trig.) *bouyssonii*, Congo, VACHAL, Paris, Ann. soc. ent., **72**, 1903, spp. n.)

(*Nomia ruficoxis*, *pristis*, *bouyssonii*, *granulata*, *atrinervis*, *flavicarpis*, *tersa*, *martini*, *melanoprocta*, *ampliata*, *latifrons*, *ligata*, *blandula*, *crassula*, *andrenoides*, *cirrita*, *collaris*, *thomae*, *lactinea*, Congo, VACHAL, Paris, Ann. Soc. ent., **72**, 1903, spp. n.)

(*Omachthes gabonensis*, Congo, VACHAL, T.C., sp. n.)

(*Osmia erythrogaster*, FERTON, Paris, Ann. soc. ent., **74**, sp. n.)

(*Sphecodes guineensis*, Congo, VACHAL, Paris, Ann. Soc. ent., **72**, 1903, sp. n.—*S. lunaris*, VACHAL, Rev. ent. Caen, **23**, 1904, sp. n.)

(*Synhalonia astragalina*, Colorado, Colorado, Ent. News, **16**, 1905, (270-272), n. sp.)

(*Tetrapedia tucumana*, VACHAL, Rev. ent. Caen, *gaullei*, **23**, 1904, spp. n.)

DIPLOPTERA = *Vespidae*, *Eumenidae* & *Masariidae*.

Supplement to the social wasps of Brazil, with plates of nests, DUCKE Bul. Mus. Goeldi **4** (652-698).

Einiger ausländischer Wespenester, RUDOW Ent. Zs. Guben **20** (185-187, 201-203).

Alastor pentheri Asia minor, KOHL (231) Wien Ann. Nat. Hist. Hofmus. **20**, sp. n.—*A. festae* Darien, ZAVATTARI (2) Torino Boll. Mus. **21** No. 523, sp. n.—*A. clypeatus* (372), *nitidus* (373), Argentina, BRÈTHES An. Mus. Buenos Aires **6**, spp. n.

Ancistrocerus nearcticus Pennsylvania, *parvispinosus* New Mexico, (332), *foxcanus* Pennsylvania, *quebecensis* Canada, (333), CAMERON Philadelphia Trans. Amer. Ent. Soc. **32**, spp. n.

Apoica and *Synoeca*, monograph:—*A. pallida* Ol. var. n. *thoraeica* (340); DU BUSSON Paris Ann. Soc. ent. **75** (333-362) pl. xi-xvii.

Belonogaster kohli sp. n. Fernando-Po, SCHULZ (322) *Spolia hymenopt.*—

B. vasseae Zambèze (189), *abyssinicus* Abyssinie (190), Du BUYSSON Paris Bull. Soc. ent. 1906, spp. n.

Caba borellii Argentina, ZAVATTARI Torino Boll. Mus. 21 No. 523 (1-4), sp. n.

Celonites montanus sp. n. Turkestan, MOCSÁRY (198) Ann. Hist.-Nat. Mus. Nat. Hung 4.

Ceramius rufomaculatus sp. n. Cape Town; CAMERON Trans. S. Afric. Phil. Soc. 16 (325).

Chartergus panamensis Colon, ZAVATTARI (4) Torino Boll. Mus. 21 No. 529, sp. n.—*C. amazonicus* (380), *flavofasciatus* (381), Amazons, CAMERON Zs. Hymenopter. 6, spp. n.

Clypearia angustior Minas Géraes, DUCKE (6) Rev. ent. Caen 25, sp. n.

Coelonites jousseau mei Obock (104), *rothschildi* E. Africa (105), spp. n., *C. fischeri* synonymy (103); Du BUYSSON Rev. Ent. Caen 25.

Discoelius caridei (22), *argentinus* (23), *lynchii* (25), *chacoensis* (27), Argentina, BRÈTHES An. Mus. Buenos Aires 6, spp. n.—*D. holmbergi* Argentina (316), *anisitsii* Paraguay (317), *pampicola* (321), *spegazzinii* (322), *albonotatus* (323), *foxii* (324), Argentina; BRÈTHES T.c., spp. n.

Eumenestricolor (64), *silonotus* (65), spp. n., New Guinea, CAMERON Nova Guinea 5 Livr. 1.—*E. centralis* sp. n. Panama, CAMERON Zs. Hymenopter. 6 (128).—*E. henricus* Panama, CAMERON (151) Entomologist 1906, sp. n.—*E. bonariensis* (29), *spegazzinii* (31), Argentina, BRÈTHES An. Mus. Buenos Aires 6, spp. n.—*E. flarescens* (328), *paraguayensis*, *unicincta*, (331), *laevigata* (332), *anisitsii* (333), *minuscule* (335), Paraguay, BRÈTHES An. Mus. Buenos Aires 6, spp. n.—*E. canaliculata*, nesting habits, BRUCH Revist. Mus. La Plata 11 (223).—*E. poniformis*, natural history, LALLO (153, 154) Naturaliste 1906.—*E. conica* (Fabr.), variation, (349), PAIVA Calcutta J. As. Soc. Beng. 2.—*E. critica* nom. n. für *gracilis* Fox 1899, (214); *moseri* Fernando Po. sp. n. (315), SCHULZ Spolia hymenopt.

Hypochartergus gen. n., *carinatus* sp. n. Rio Cianati, ZAVATTARI (7) Torino Boll. Mus. 21 No. 529.

Icaria irrequieta S. Arabia, KOHL (54) Hym. Südarab., sp. n.—*I. aethiopica* Divouhoria, *brazzai* Congo, Du BUYSSON (110) Rev. Ent. Caen 25, spp. n.—*I. zonata* (61), *spilostoma* (62), spp. n. New Guinea, CAMERON Nova Guinea 5 Livr. 1.—*I. pruinosa* (228), *spilocephala* (230), New Guinea, CAMERON 's Gravenhage Tijdschr. Ent. 49, spp. n.

Ischnogaster clypealis sp. n. Borneo, CAMERON Singapore J. Straits R. As. Soc. No. 46 (122).—*I. malayensis* New Guinea, CAMERON (231) 's Gravenhage Tijdschr. Ent. 49, sp. n.

Jugurtia neotropica sp. n. Paraguay, MOCSÁRY (197) Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Labus fraterculus, *socotrae*, (58), Sokótra, *gracilis* Sinai (59), *nigratus* (60), *finitimus* (61), *astulus* (62), *transiens* (63), S. Africa, L.? *macrostylus* Sierra Leone (64), KOHL Hym. Südarab., spp. n.—*L. rothschildianus* E. Africa (106), *maindroni* Obock (107), Du BUYSSON Rev. Ent. Caen 25, spp. n.

Leontiniella argentina, sexes, BRÈTHES (36) An. Mus. Buenos Aires 6.

Megacanthopus goeldii Rio Negro, DUCKE (690) Bol. Mus. Goeldi 4, sp. n.

Metazethoides nom. n. für *Zethoides* Cam. 1904, SCHULZ (213) Spolia hymenopt.

Monacanthoemisia buyssoni Rio de Janeiro, DUCKE (9) Rev. Ent. Caen 25, sp. n.

Monobia caridei Argentina (338), *anisitsii* Paraguay (340), BRÈTHES An. Mus. Buenos Aires 6, spp. n.

Montezumia argentina (33), *andina* (34), Argentina, BRÈTHES T.c., spp. n.—*M. holmbergii* (336), *pedunculata* (337), Argentina, BRÈTHES, T.c., spp. n.—*M. macrocephala* subsp. n. *chilensis*, SCHULZ (216) Spolia hymenopt.

Nesodynerus paractias Molokai, PERKINS (73) Honolulu Proc. Hawai. ent. Soc. 1, sp. n.

Nortonia moricei Nile (65), *braunsii* S. Africa (66), N. (?) *polydora* (67), N. (?) *morula* (68), West Africa, *soror* S. Africa, *fragosa* W. Africa, (69), *mimica* (70), *pilifrons* (71), Brazil, KOHL Hym. Südarab., spp. n.

Odynerus (Leptochilus) melanchrous Abd el Kûri (86), *rubellulus* Sémha (87), *O. (Leionotus) ignaruris* S. Arabia (88), *socotrae* Sokótra (89), KOHL. Hym. Südarab., **spp. n.**—*O. (Ancistrocerus) atlanticus* Cape Verde islands, CAMERON (13) Entomologist London **29**, **sp. n.**, but T.c. (83) is *atlanticus* Kirby.—*O. defractus* (108), *nevillei* (109), E. Africa, DU BUYSSON Rev. Ent. Caen **25**, **spp. n.**—*O. sariensis* **sp. n.** New Guinea, CAMERON Nova Guinea **5** Livr. 1 (63).—*O. meraukensis* (224), *O. (Leionotus) fultopruinosus* (225), *O. (Symuorophus) meijereanus* (226), New Guinea, CAMERON's Gravenhage Tijdschr. Ent. **49**, **spp. n.**—*O. (Leionotus) bisulcatus* Australia, CAMERON (78) Entomologist 1906, **sp. n.**—*O. mathevi* Vancouver's island, CAMERON (268) Entomologist 1906, **sp. n.**—*O. delodontus* (196), *egregius*, *subulceus*, (197), *leionotus*, *excentralis*, (198), *microstictus*, *paenervagus*, (199), *percampamilatus* (200), Kansas, **spp. n.**, VIERECK Philadelphia Trans. Amer. Ent. Soc. **32**.—*O. (Ancistrocerus) valdonii* **sp. n.** Connecticut, VIERECK (304) Ent. News **17**.—*O. harringtoni* (327), *ruficandis*, *pulcherrimis*, (328), *aequalis* (329), *santae-feae* (330), *piciventris* (331), New Mexico, CAMERON Philadelphia Trans. Amer. Ent. Soc. **32**, **spp. n.**—*O. packardi* **sp. n.** Mexico, CAMERON (335) Philadelphia Trans. Amer. Ent. Soc. **32**.—*O. pseudochromoides*, *paranaia*, (71), *tempe* (72), *monas*, *aprepes*, (73), Hawaiian islds., PERKINS Honolulu Proc. Hawaii. ent. Soc. **1** **spp. n.**—*O. venustus* (36), *saltensis* (39), Argentina, BRÈTHES An. Mus. Buenos Aires **6**, **spp. n.**—*O. (Ancistrocerus) erythracus* Argentina (346), *rufus* Paraguay, *fabieni* Argentina, (347), *flavomarginatus* Brazil (349), *distingendus* (350), *fozii* (351), *caridei* (352), *O. (Stenancistrocerus) foveolatus* (354), *abditus* (355), *mendozamus* (356), Argentina, *dollatorrei* (358), *assumptionis* (359), Paraguay, *platensis* Buenos Aires (360), *coucatus* (363), *holmbergii* (364), Argentina, *O. (Stenodynerus) anisitsii* (366) Paraguay, *gemellus* Argentina (368), *bonariensis* Buenos Aires (369); BRÈTHES T.c., **spp. n.**—*O. neonymus* **nom. n.** für *cylindricus* Pérez (218), *recoctus* **nom. n.** für *saussurei* Fox, *vicarius* **nom. n.** für *simplicipes* Cam., *interdictus* **nom. n.** für *rubripes* Pérez (219), *cameroni* **nom. n.** für *tegularis* Cam. (220), SCHULZ Spolia hymenopt.—

O. reniformis nesting-habits, MORICE (216–220) Ent. Mag. London **42**.—†*O. palaeophylus* (56), *praesepultus* (57), Florissant, **spp. n.**, COCKERELL, Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. **50**.

Pachodynerus validus Argentina, BRÈTHES (343) Ann. Mus. Buenos Aires **6**, **sp. n.**

†*Palaeovespa* **gen. n.** Vespidae, *florissantia* (54), *scudderii*, *gillettei*, (55), Florissant, **spp. n.**, COCKERELL Cambridge Bull. Mus. Harvard **50**.

Parachartergus fasciipennis Amazons, DUCKE (665) Bol. Mus. Goeldi **4**, **sp. n.**

Plagiolabra Sch.-R. = (*Leontiniella* Br.), BRÈTHES (341) An. Mus. Buenos Aires **6**.—*P. andina* Argentina, id., l.c., **sp. n.**

Polistes; ♂ characters, S. American, BRÈTHES (313–315) T.c.—*P. haugi* Gabon, DU BUYSSON (189) Paris Bull. Soc. ent. **1906**, **sp. n.**—*P. malayanus* (60), *albobaltecatus* (61), **spp. n.**, New Guinea, CAMERON Nova Guinea **5** Livr. 1 (41–65).—*P. exclamans* **sp. n.** Kansas, VIERECK (201) Philadelphia Trans. Amer. ent. Soc. **32**.—*P. cavaptya* Sauss var. *n. thoracica*, Mendoza Argentina, BUYSSON Kjöbenhavn ent. Medd. **3**.—*P. deuteroleucus* Barbacena, DUCKE (10) Rev. ent. Caen **25**, **sp. n.**—*P. tullgreni* **nom. n.** für *inornatus* Tullgr., SCHULZ (229) Spolia hymenopt.

Polistratus **gen. n.**, *cariniscutis* **sp. n.** New Guinea, allied to *Polistes* and *Polistella*, CAMERON Nova Guinea **5** Livr. 1. (59).

Polybia cameranii (10), *litoralis* (12), *aequatorialis* (15), Punta de Sabana, *procellora* (14), *festae* (17), San José, ZAVATTARI Torino Boll. Mus. **21** No, 523, **spp. n.**—*P. panamaensis* Panama (382), *traili* Amazons (383), *acutiscutis* Brit. Honduras, (385), CAMERON Zs. Hymenopter. **6**, **spp. n.**—*P. lapajosen-sis* (151), *melanocephala*, *sericeibal-teata*, S. America, (152); CAMERON Entomologist 1906, **spp. n.**—*P. myrmecophila* Pará, DUCKE (684) Bol. Mus. Goeldi **4**, **sp. n.**—*P. minarum* Barbacena, *sampaioi* Parana, DUCKE (8) Rev. ent. Caen **25**, **spp. n.**—*P. binominata* **nom. n.** für *minutissima* SAUSS., SCHULZ (233) Spolia hymenopt.—*P. myrmeco-*

phila habits, swarming, DUCKE (18, 19) Zs. wiss. Insektenbiol. 2.

Pterochelilus eurystomus Sokótra (89), *mongolicus* Mongolia (90), *iterabilis* Egypt (91), KOHL Hym. Südarab., spp. n.

Rhopalosoma guianense Guiana (221), *bahianum* Bahia (222), spp. n., SCHULZ Spolia hymenopt.

Rhynchium (*Auterhynchium*) *forticulum* (82), *simonyi* (83), *kelidopterum* (84), S. Arabia, KOHL Hym. Südarab., spp. n.

Symmorphus cogitans Canada (325), *trisulcatus* New Mexico, (326) CAMERON Philadelphia Trans. Amer. Ent. Soc. 32, spp. n.

Synagris negusi E. Africa, DU BUYSSON (107) Rev. Ent. Caen 25, sp. n.—*S. basalis* Africa centralis (198), *ornata* Africa orientalis (199), spp. n., MocsÁRY Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Synoeca and *Apoica*, monograph (333-362) pls. xi-xvii; *S. irina* Sp. var. n., *splendens* (358); DU BUYSSON Paris Ann. soc. ent. 75.

Vespa saussurci nom. n. for *japonica* Sauss., SCHULZ (231) Spolia hym.—*V. orientalis* and *erabro*, distinguished, KOHL (230) pl. x Wien Ann. Nat. Hist. Hofmus. 20.—*V. diabolica*, nest, JOHNSON Ent. News 17 (139) with text fig.

Zethus missionis (326), *holmbergii* (327), Argentina, BRÉTHES An. Mus. Buenos Aires 6, spp. n.—*Z. silcae-grandis* nom. n. für *bicolor* Fox, SCHULZ (213) Spolia hymenopt.

The following Vespidae have been recorded previously in the Zoological Record.

(Peckham, George William. Wasps, social and solitary. With an introduction by John Burroughs. Boston and New York (Houghton, Mifflin), 1905, (xv + 311).)

(Du Buysson, Robert. Monographie des Vespides du genre *Nectarina*. Paris, Ann. soc. ent., 74, 1905, (537-566, av. pl.).)

(*Charterginus duckei*, Du Buysson, Paris, Bul. soc. ent., 1905, sp. n.)

(*Ischnogaster serrei*, *serratus*, Du Buysson, T.c. spp. n.)

(*Masaris alfeni*, Du Buysson, Paris, Bul. soc. ent., 1904, (144-146), sp. n.)

(*Megacanthopus undulatus*, DUCKE, Rev. ent. Caen, 24, 1905, sp. n.)

(*Metapolybia* gen. n., DUCKE, T.c. type *M. pediculata* Sauss.)

(*Monacanthocnemis* gen. n., DUCKE, T.c. *M. filiformis* Sauss.)

(*N. scutellata* Spinola var. *gribodoi* var. nov. Du Buysson, Paris, Ann. soc. ent., 74.—*N. buyssoni*, DUCKE, Rev. ent. Caen, 24, 1905, sp. n.)

(*Odynerus wagneri*, Du Buysson, Paris, Bul. soc. ent., 1905, sp. n.)

Parachartergus amazonensis, DUCKE, *difficilis* Rev. ent. Caen, 24, 1905, spp. n.—*P. wagneri*, Du Buysson, Paris, Bul. soc. ent., 1904, sp. n.)

(*Polistes aquilinus*, *tenellus*, *bituberculatus*, *alboclearatus*, Du Buysson, Paris, Bul. soc. ent., 1905, spp. n.—*P. erythrogaster*, *rhodostoma*, DUCKE, Rev. ent. Caen, 24, 1905, spp. n.)

(*Polybia occidentalis dignea* and *nigratella*, varr. n., Du Buysson, T.c. (9-11).—*P. decorata*, *ornata*, *ruficornis*, *flavipennis*, DUCKE, Rev. ent., Caen, 24, 1905, spp. n.)

(*Protopolybia* gen. n., DUCKE, T.c., type *Chartergus nitidus* Ducke.)

(*Pseudochartergus* gen. n., DUCKE, T.c., = *Charterginus* ex parte.)

(*Synocoides* gen. n., *depressa* sp. n., DUCKE, T.c.)

(*Vespa eulemoides*, *mocsaryana*, *walkeri*, *barthelemyi*, *binghami*, *variabilis*, Du Buysson, Paris, Ann. soc. ent., 73, 1904, spp. n.—*V. cineta picca*, *belliosa semperi*, *relutina ardens*, *auroria citriventris*, *auroria nigrithorax*, *orbato aurulenta*, *rufa intermedia*, *rufa americana*, *noricegia adulterina*, *sylvestris sumptuosa*, *germanica stizoides*, *erabro biroi*, *erabro tartarea*, *erabro tenetrosa*, *erabro pulchra*, *erabro soror*, varr. n., Du Buysson, Paris, Ann. soc. ent., 73, 1904.)

FOSSORIA. (*Sphegidae*.)

Notes on the habits of various *Pompilids* and *Sphegids*, ADLERZ Stockholm Vet. Ak. Handl. 42 No. 1 (1-48).

Agencia capensis Willowmore, BRAUNS Wien Verh. Zool.-bot. Ges. 1906, sp. n.

Alyson kalthovi sp. n., *A. fuscatus* var. n. *jaroslavensis* Podolien und Jaroslavl, KOKUJEV St. Petersburg Hor. Soc. Ent. Ross. **37** (209-219).

Ammophila (*Psammophila*) *aviasi* (187), *errabunda* (190), *homogenea* (191) Spain, *mauritanica* Tangier (189), GARCIA Madrid Bol. Soc. espan. **6**, spp. n.

†*Ammophila antiquella* sp. n. Florissant, COCKERELL (49) Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. **50**.

Ancistromma serieifrons (247), *bruneri* (248), Nebraska, SMITH Ent. News **17**, spp. n.—*A. vegetoides*, *zerbeii*, (208), *tachysphécoides* (209), *paenerugosa* (210), Kansas, spp. n., VIERECK Philadelphia Trans. Amer. Ent. Soc. **32**.

**Auoplius* (*Pompilius*) *snovi* sp. n. Kansas, VIERECK (202) Philadelphia T.c.

Aporus ferrugineipes sp. n. Kansas, VIERECK (203) T.c.

Bembex ros'rata, Beinbildungen u. Lebensweise, FAUSSEK St. Petersburg Zap. Russ. Geogr. Obsč. **27** (1 + 1-192 + 1) mit 64 Abb. i. T. u. 4 Taf.

Blepharipus columbiae Selkirk Mts., BRADLEY (330) Canad. Entomol. **36**, sp. n.

Brachycystis stictinotus sp. n. Kansas, VIERECK (190) Philadelphia Trans. Amer. Ent. Soc. **32**.

Cerceris invalida S. Arabia (37), *podagrosa* (38), *sokotrae* (39), Sokótra, *ragula* (41), *querula* (42), S. Arabia, KOHL Hym. Südarab., spp. n.—*C. pampiana* sp. n. New Guinea, CAMERON Nova Guinea **5** Livr. 1 (57)—*C. cameroni* nom. n. für *canaliculata* Cam. 1905 (194), *neogenita* nom. n. für *laevigata* Holmb. 1903, *rebaptizata* nom. n. für *piciventris* Gerst. 1857 (195), SCHULZ Spolia hymenopt.—*C. deserta*, female, VIERECK Ent. News **17** (397).

†*Ceropalites* gen. n. *Pompilidae*, *infelix* sp. n. Florissant, COCKERELL (53) Cambridge Bull. Mus. Harvard **50**.

Chlorion; monograph of, from North and Central America and West Indies, FERNALD No. 1487 Washington U. S. Nat. Mus. Proc. **31**; *auripes* nom. n. for *tibialis* Lep. (356), *harrisi*

nom. n. for *apicalis* Harr. (359), *cubensis* nom. n. for *clavipes* Kohl (367), *flavitaris* nom. n. for *flavipes* Sm. (379), *saussurei* nom. n. for *hirsutus* Sauss. (381), *resinipes* nom. n. for *rufipes* Lep. (386), *ashmeadi*, Texas (389), sp. n.

Crabro clarconis sp. n. Kansas, VIERECK (213) Philadelphia Trans. Amer. Ent. Soc. **32**.—*C. frederic-smithi* nom. n. für *affinis* F. Sm. (204), *confusus* nom. n. für *signatus* Panz. (207); *oceanicus* sp. n. Vita (202), SCHULZ Spolia hymenopt.

Cryptocheilus paeneparens sp. n. Kansas, VIERECK (202) Philadelphia Trans. Amer. Ent. Soc. **32**.—*C. nesarchus* sp. n. Fernando Po, SCHULZ (304) Spolia hymenopt.—*C. belligerans* nom. n. für *bellicosus* R. Buyss., *clericalis* nom. n. für *Prionoecnemis carbonarius* Holmb., *holmbergi* nom. n. für *Prionoecnemis australis* Holmb., (166), *petri* nom. n. für *Salix frederici* Cam., *posterior* nom. n. für *obscurus* R. Luc., *reeditus* nom. n. für *rufosemoratus* R. Luc., (167), SCHULZ T.c.

Dasylabris subconspicua Eritrea, MAGRETTI (80) Firenze Boll. Soc. entom. **37**, sp. n.

Didineis crassicornis sp. n. Kansas, VIERECK (204) Philadelphia Trans. Amer. Ent. Soc. **32**.—*D. koshevnikovi* sp. n. Gouv. Moskau, KOKUJEV St. Petersburg Hor. Soc. Ent. Ross. **37** (209-219).

Dielis, de-meijeri (51), *manokvariensis* (52), *humboldti* (53), spp. n., New Guinea, CAMERON Nova Guinea **5** Livr. 1.—*D. formosa* var. n. *maculiceps*, CAMERON (218) 's Gravenhage Tijdschr. Ent. **49**.

Diodontus brunneicornis sp. n. Kansas, VIERECK (212) Philadelphia Trans. Amer. Ent. Soc. **32**.

Elis (*Trielis*) *pollenifera* sp. n. Kansas, VIERECK (190) T.c.

Ephuta (*Tilluma*) *radiata* Cayenne (35), *limata* Paraguay (37), *maculifrons* Guayaquil (38), *peruviana* Vilcanota (39), *E. (Traumatomutilla) gemella* S. Paulo (42), *angustata* Rio Grande do Sul (43), *triangulifera* (45), *punctosignata* (48), Pernambuco, *chilena* Chile (48), *bimaculata* S. Paulo (65), *dives* Brazil (66), *comata* Guayaquil (67), *E. cayennensis* Guiana (70),

flaviceps Haïti (72), *boliviana* Mapiri (74), *vulnerifrons* Costa Rica (75), *expansa* Guatemala (77), *mapiriensis* Bolivia (79), *vulnerithorax* Amazons (161), *ditissima* Paraguay (162), *sulcifrons* Brazil (164), *aequatorialis* Guayaquil (165); ANDRÉ Zs. Hymenopter. Teschendorf 6, spp. n.

Eumetabolus nom. n. für *Astatus* Panz. 1801, SCHULZ (211) *Spolia* hymenopt.

Gasterosericus capensis Willowmore (49), *oraniensis* Bothaville (51), *karoensis* Willowmore (52), BRAUNS Wien Verh. Zool.-bot. Ges. 1906, spp. n.

†*Geotiphia* gen. n. *Scoliidae* (49), *foxiana* sp. n. Florissant (51), COCKERELL Cambridge Bull. Mus. Harvard 50.

Gorytes hispanicus (116), *G. (Hoplisoides) ibericus* (117), *G. (Hoplisus) fraternus* (119), *dichrous* (120), Spain, MEROET Mem. Soc. esp. Hist. Nat. 4, spp. n.—*G. homonymus* nom. n. für *politus* Bingham, *usurpator* nom. n. für *longicornis* Händl., (200), SCHULZ *Spolia* hymenopt.

†*Hemipogonius florissantensis* (52), *scudderi* (53), COCKERELL Cambridge Bull. Mus. Harvard 50, spp. n.

†*Hoplisidia* gen. n. *Nyssonidae* (47), *kohlana* and *sepultus* spp. n. Florissant (48), COCKERELL T.c.

Hoplomutilla moneta rufonotata var. n., ANDRÉ Zs. Hymenopter. Teschendorf 6 (33).

Irenangelus gen. n. *Ampulicinae* (175), *hornus* sp. n. Guiana (180), SCHULZ *Spolia* hymenopt.

Lissocnemis subg. n. cf. *Salius*.

†*Lithotiphia* gen. n. *Scoliidae*, *scudderi* sp. n. Florissant, COCKERELL (52) Cambridge Mass. Bull. Mus. Comp. Zool. Harvard Coll. 50.

Megistommum nom. n. für *Megalomma* F. Sm., SCHULZ (200) *Spolia* hymenopt.

Methoca ichneumonides, life history and habits, ADLERZ Uppsala Arkiv. Zool. 3 No. 4.

Miscophus oraniensis Oranje-Freistaat, BRAUNS (58) Wien Verh. zool.-bot. Ges. 1906, sp. n.

Mutilla manilensis, parva, Philippines, BROWN (685) Philipp. J. Sci. 1, spp. n.—*M. tricuspido-carinulata* (48), *vigoriorum* (49), *sabargumae* (52), *thoracosulcata* (53), *danhavica* (55), *hoplocephaloides* (58), *martinii* (60), *adi-grina* (63), *audreinii* (65), *bellii* (67), *nasicornis* (72), *sennae* (73), *clypearis* (75), *atrocyanea* (77), Eritrea, MAGRETTI Firenze Boll. Soc. entom. 37, spp. n.—*M. tamensis* sp. n. New Guinea, CAMERON Nova Guinea 5 Livr. 1 (50)—*M. (Timulla) montivagoides* (185), *prognoides* (186), *nigricauda* (187), *M. (Photomorphus) quintilis* (187), *M. (P.?) crepuscula* (188), *M. (Photopsis) imperialiformis* (189), Kansas, spp. n., VIERECK Philadelphia Trans. Amer. Ent. Soc. 32.—*M. camerouni* nom. n. für *javanica* Cam. 1905, SCHULZ (158) *Spolia* hymenopt.

Myzina discontinua nom. n. für *Plesia interrupta* Cam. 1905, *tenebrosa* nom. n. für *Plesia carbonaria* Cam. 1905, SCHULZ (162) T.c.

Niteliopsis foxii sp. n. Kansas, VIERECK (207) Philadelphia Trans. Amer. Ent. Soc. 32.

Notoglossa paenemarginatus, calligaster, (214), *taenigaster* (215), Kansas, spp. n., VIERECK T.c.

Notogonia expedita Sokótra (51), *pharaonum* Cairo (52), KOHL. Hym. Südarab., spp. n.

Nysson clarconis sp. n. Kansas, VIERECK (204) Philadelphia Pa. Trans. Amer. Ent. Soc. 32.

Odontomutilla tellini Eritrea, MAGRETTI (42) Firenze Boll. Soc. entom. 37, sp. n.

Oxybelus aethiopicus sp. n. Cape Town, CAMERON Trans. S. Afric. Phil. Soc. 16 (328).—*O. exclamans* sp. n. Kansas, VIERECK (215) Philadelphia Trans. Amer. Ent. Soc. 32.—*O. dahlbomi* nom. n. für *14-notatus* Dahlb., SCHULZ (211) *Spolia* hymenopt.

Passaloeus equalis sp. n. Kansas, VIERECK (212) Philadelphia Pa. Trans. Amer. Ent. Soc. 32.

†*Passaloeus scudderi* sp. n. Florissant, COCKERELL (46) Cambridge Bull. Mus. Harvard 50.

Pepsis speciosissima nom. n. für *speciosa* F. Sm. 1855, SCHULZ (167) *Spolia* hymenopt.

Philanthus stecki sp. n. Fernando Po, SCHULZ (309) T.c.—*P. clareonis* sp. n. Kansas, VIERECK (206) Philadelphia Trans. Amer. Ent. Soc. 32.

Pisum allonyum nom. n. für *iridipenne* Cam., SCHULZ (213) Spolia hymenopt.

Pompilus resanus (98), *vegetus* (99), S. Arabia, *P. (Epsisyon) solitaneus* Sokótra (101), *stieglmayeri* S. America (103), *nexilis, veles*, W. Africa, (104), *P. (Ferrelia) sokotrac* Sokótra (105), *argumentalis* (106), *noscibilis* (108), S. Arabia, *rupes* Senegambia (109), *regranidis* S. Arabia, *saltabundus* Sokótra, (110), KOHL Hym. Südarab., spp. n.—*P. manokwariensis* sp. n. New Guinea, CAMERON Nova Guinea 5 Livr. 1 (55).—*P. duplex* nom. n. für *abdominalis* F. Sm., *steini* nom. n. für *affinis* Stein, (168), *relegandus* nom. n. für *femoralis* Spin., *stretchi* nom. n. für *anceps* F. Sm., (169), *emeritus* nom. n. für *distinguendus* F. Mor., *expulsus* nom. n. für *conexus* Fox, (170), *xanthospilus* nom. n. für *flavopictus* F. Sm. (171), *rejetus* nom. n. für *orbitalis* Cress. (172), *chacoensis* nom. n. für *spilopterus* Holmb. (173), *oenochrous* nom. n. für *vinicolor* Fox, *remissus* nom. n. für *vagans* A. Costa, (174), SCHULZ Spolia hymenopt.—*P. kizilkumensis*, Beimbildung u. Lebensweise, FAUSSEK St. Petersburg Zap. Russ. Geogr. Obsč. 27 (14+1-192+1) mit 64, Abb. i. T. u. 4 Taf.

Prionemis atlanticus Kirby, CAMERON (83) Entomologist 1906.

†*Prophilanthus* gen. n. *Philanthidae* (46), *destructus* sp. n. Florissant (47), COCKERELL Cambridge Bull. Mus. Harvard 50.

Prosopigastra mocsaryi (53), *capensis* (55), South Africa, BRAUNS Verh. zool.-bot. Ges. 1906, spp. n.

Psenulus? interstitialis New Guinea, CAMERON (222) 's Gravenhage Tijdschr. Ent. 49, sp. n.

Pseudagenia australis Australia, CAMERON (176) Entomologist 1906, sp. n.—*P. assamensis* nom. n. für *agitata* Cam., *decadens* nom. n. für *iridipennis* Cam., (165); *P. vulcanicola* sp. n. Fernando Po (297); SCHULZ Spolia hymenopt.

Pseudapis Kirby is *Nomia*, KOHL (8) Hym. Südarab.

Pseudopedinaspis gen. n. *Pompilidurum* (44), *marshalli* sp. n. Mashonaland (46), BRAUNS Wien Verh. zool.-bot. Ges. 1906.

Reedia centrolineata Paraguay, ANDRÉ (33) Zs. Hymenopter. Teschen-dorf 6, sp. n.

Salius (Cyphononyx) simonyi S. Arabia (93), *S. (Lissoenemis* subg. n.) *irrasus* (97), Java, KOHL Hym. Südarab., spp. n.—*S. ridleyi* sp. n. Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46 (121).—*S. schizostomus, erythronra*, spp. n. New Guinea, CAMERON Nova Guinea 5 Livr. 1 (54).

Sapyga quinaepunctata = (*decipiens* Lep.), SCHULZ Spolia Hym. (41).

Sceliphron (Chalybion) heinii Südarabien (21), *frontale* Ceylon, *malignum* Japan und China, (24), *heinii* Mauritius und Sokótra (26 and 29), KOHL Hym. Südarab., spp. n.—*S. papuanum* New Guinea, CAMERON (221) 's Gravenhage Tijdschr. Ent. 49, sp. n.

Scolia foxi nom. n. für *angulata* Fox (162), *binominata* nom. n. für *bisignata* Fox, *corrigenda* nom. n. für *nigra* Sauss., (163), *labilis* nom. n. für *signata* F. Sm., *pseudonyma* nom. n. für *smithi* Fox, *reversa*, nom. n. für *Elis pygmaea* Schrottky, (164); *S. mansueta*, subsp. *scotophila* n. nom. (163); SCHULZ Spolia hymenopt.

Solenius vagus nymph, PLANET (187, 188) figs. 1-3 Naturaliste 1906.

Sphex (Isodontia) hewitti sp. n. Borneo, CAMERON Singapore J. Straits R. As. Soc. No. 46 (119).

Spilomena alboclypeata Brit. Columbia, BRADLEY (380) Canad. Entomol. 38, sp. n.

Stenomutilla pseudoberoe Eritrea, MAGRETTI (83) Firenze Boll. Soc. entom. 37, sp. n.

Stizus (Stizomorphus) carpetanus (144), *pulchellus* (146), *S. aestivalis* (147), Spain, MEROET Mem. Soc. esp. Hist. nat. 4, spp. n.—*S. papuanus* sp. n. New Guinea, CAMERON Nova Guinea 5 Livr. 1 (58).—*S. revindicatus* nom. n. für *schmiedeknechti* Handl., SCHULZ (199) Spolia hymenopt.

Tachypompilus ashmeadi Philippines, BROWN (684) Philipp. J. Sci. 1, sp. n.

Tachysphex aemulus (48), *glaber* (49), S. Arabia, KOHL Hym. Südarab., **spp. n.** — *T. punctulatus* **sp. n.** Nebraska, SMITH (246) Ent. News **17**. — *T. crassiformis* (210), *clarconis*, *intermedius*, (211), Kansas, **spp. n.**, VIERECK Philadelphia Trans. Amer. Ent. Soc. **32**.

Tachyrella **gen. n.** *Tachysphex* Gruppe (56), *aureopilosa* **sp. n.** Kapland (57), BRAUNS Wein Verh. Zool. bot. Ges. 1906.

Tachytes salva Sokotra, KOHL (48) Hym. Südarab., **sp. n.**

Thynnus albopilosellus New Guinea, CAMERON (215) 's Gravenhage Tijdschr. Ent. **49**, **sp. n.** — *T. dallatorrei* **nom. n.** für *bidens* SAUSS., *substitutus* **nom. n.** für *varipes* F. SM., (160), *remissus* **nom. n.** für *novaræ* SAUSS. (161), SCHULZ Spolia hymenopt. — *T. racovitza* (59) pl. ii f. 7, *holomelas* (61) f. 8, ANDRÉ Résult. Belgica, Zoologie.

Tiphia waldonii (302), *brumeicornis*, *gregia* (303), *relativa* (304), Connecticut, VIERECK Ent. News **17**, **spp. n.**

† *Tracheliodes mortuillus* **sp. n.** Florissant, COCKERELL (45) Cambridge Bull. Mus. Harvard **50**.

Trypoxylon peltopsis Mediterranean (3), *aegyptium* Egypt, *schmiedekuechti* Java, (34), *senegambicum* Senegal (35), KOHL Hym. Südarab., **spp. n.** — *T. regularis* (205), *quintilis* (206), Kansas, **spp. n.**, VIERECK Philadelphia Trans. Amer. Ent. Soc. **32**. — *T. montanum* **nom. n.** für *placidum* Cam., SCHULZ (212) Spolia hymenopt.

Xanthampulex **gen. n.** *Ampulicinae* (183), *trifur* **sp. n.** Celebes (184), SCHULZ Spolia hymenopt.

(Dasylabis mursei **n. n.** (= *Mutilla suspecta* Nurse) ANDRÉ, Paris Ann. Soc. ent. **72**, 1903.)

(Ephuta (Traumotomutilla) lineifera, *ingens*, *grariceps*, *vulneriventris*, *trilineata*, *hydrocephala*, ANDRÉ, T.c. spp. n.)

(Ephutomorpha laematogastra, *albosignata*, *fulvescens*, *rugidorsis*, *aenifrons*, *oviventris*, *uniformis*, *frogatti*, spp. n., *morosa* var. *rufithorax*, var. n., *aenifrons* var. *cupreiventris* var. n., ANDRÉ, T.c.)

(Mutilla transvaalensis, *arcuaticeps*, Transvaal, ANDRÉ, Paris Bul. soc. ent.

1905. — *M. merceti*, *schulzi*, *luctifera*, *sexnotata*, ANDRÉ, Paris Ann. Soc. ent. **72**, 1903, spp. n.)

(Odontomutilla sekkimensis ANDRÉ, T.c., sp. n.)

(Pompilus suspectus SAUSSURE, Mission Pavie, **3**, sp. n.)

(Priocnemis parcedentatus SAUSSURE, T.c., **3**, sp. n.)

(Pseudomethoca xiphognatha ANDRÉ, Paris, Ann. Soc. ent. **72**, 1903, sp. n.)

(Rhoptomutilla camponotiformis ANDRÉ, T.c., sp. n.)

(Salix pavianus SAUSSURE, Mission Pavie, **3**, sp. n.)

(Sapyga wagnerella DU BUYSSON, Paris Bul. Soc. ent. **1904** sp. n.)

(Tachysphex rufiventralis FERTON, Paris Ann. Soc. ent., **74**, n. sp.)

(Tallium kououi ANDRÉ, Paris Ann. Soc. ent. **72**, 1903, sp. n.)

(Thypoetes glaber ANDRÉ, T.c., sp. n.).

FORMICIDAE.

General.

Die Ameisen. Schilderung ihrer Lebensweise, ESCHERICH Braunschweig (xx + 232).

Biologie der Ameisen, Tl 2. Die neueren Arbeiten (1905-1906). (Zusammenfassende Uebersicht), ESCHERICH Zool. Centralbl. Leipzig **13** 1906 (405-410).

Polymorphismus der Ameisen., ergatomorphism etc., wings of ♀: EMERY Biol. Centralbl. Leipzig **26** (624-630). — Auch in: Festschrift für J. Rosenthal Tl. I (33-40).

Die Ameisen, KNAUER, (Aus Natur u. Geisteswelt, Bd. 94.) Leipzig, (iv + 156).

Anatomy of head, *Lasius niger*; JANET No. **3**, (1-40), pls. i-v.

Synoptic tables of *Formicidae* of Luxemburg, WASMANN Arch. Inst. Luxemburg 1906 (1-20) 2 pls.

Ashmead's classification criticised, EMERY (717, 718) Zool. Anz. **29**.

Catalogue of *Formicidae* of Himalaya, and nature of the fauna, FOREL (83-94) Lausanne Bul. Soc. Sci. Nat. **42**.

List of the *Formicidae* of New England, WHEELER Boston Occ. Paprs. Soc. Nat. Hist. **7** 1906 (1-24).

On the founding of colonies by queen ants, with special reference to the parasitic and slave-making species, WHEELER New York Bull. Amer. Mus. **22** 1906 (33-105) pls. viii-xiv.

Biologie der spinnenden Ameisen, KOHL Natur u. Offenb. Münster **52** 1906 (166-169).

Certain maladjustments in the relations of ants to plants. WHEELER New York Bull. Amer. Mus. **22** 1906 (403-418).

Ameisenpflanzen. ULE Bot. Jahrb., Leipzig **37** 1906 (335-352) 2 Taf.

Eigentümliche mit Pflanzen durchwachsene Ameisennester am Amazonasstrom, ULE Natw. Wochenschr. Jena **21** (145-150) 1 Taf.

Ants not useful on myrmecophilous plants. NIEUWENHUIS-VON UEXKÜLL-GÜLDENBAND Amsterdam Proc. Sci. K. Acad. Wet. **9** (150-156), (English); Amsterdam Versl. Wis. Nat. Afd. K. Akad. Wet. **15** (69-75) (Dutch).

Blindschleiche und Waldameisen. BRÜNING Wochenschr. Aquarienkunde Braunschweig **3** 1906 (542-544).

Beobachtungen an künstlichen Ameisennestern, ERNST Biol. Centralbl. Leipzig **26** (210-220).

Remplacement des muscles vibrateurs du vol par des colonnes d'adipocytes, après le vol nuptial. JANET Paris C.-R. Acad. sci. **142** 1906 (1095-1097) av. fig.

Olfaction and reconnaissance, PIÉRON C.-R. Acad. Sci. **143** (845-848); Paris C.-R. Soc. Biol. **61** (385-387) also (433-435) and (471-473).

Special.

Anochetus mayri australis subsp. n., EMERY (117) Firenze Boll. Soc. entom. **37**.

Atta; revision of subgen. *Moellerius* and *Acromyrmex* with the following spp. n., *A. (Moellerius) silvestrii* Cordoba (42), *A. (Acromyrmex) mesonotalis* Peru (46), *laticeps* S. America (50), *boliviensis* Bolivia, *pubescens* Paraguay, (51); EMERY Bologna Mem. Acc. sci. Ser. 6 **2**.—*A. (Trachymyrmex) pruinosa* Buenos Aires (163), EMERY Firenze Boll. Soc. entom. **37**, sp. n.

(N-9720 j)

Azteca barbifex (242), *duckei* (243), *huberi* (244), *goeldii* (245), Amazons, spp. n.; *charitex* subsp. n. *decipiens* (236) and var. n. *lanians* (237), *trigona* subsp. n. *mathildae* and var. n. *spuria* (238), *traili* var. n. *elator*, *alfari* var. n. *aequalis*, (239) and subspp. n. *cecropiaca* and *tuberosa* (240); *A. paraensis* var. n. *gnava* (241); FOREL Bruxelles Ann. Soc. ent. Belgique **50**.

Basiceros nom. n. für *Ceratobasis* F. Sm., SCHULZ (156) *Spolia hymenopt.*

Bothriomyrmex; mœurs parasitiques temporaires; SANTSCHI Paris Ann. soc. ent. **75** (363-392).

Brachymyrmex brevicornis Buenos Aires (180), *myops* Brazil (182), EMERY Firenze Boll. Soc. entom. **37**, spp. n.

Camponotus vogti Taurus sp. n., *maculatus* var. n. *bosphoricus*, (187), and subsp. n. *caecilica* (188), FOREL Bruxelles Ann. Soc. ent. Belgique **50**.—*C. silvestrii* Matto Grosso (194) sp. n.; *maculatus luteolus* (188), *punctulatus imberbis* S. Fé, (190), subspp. n.; EMERY Firenze Boll. Soc. entom. **37**.—*C. maculatus intonsus* (29), *liocnemis*, *madecassa*, (30), *barbaricus* (31), subspp. n., EMERY Bologna Rend. Acc. Sci. n. ser. **9**.—*C. fiebrigi* Paraguay, FOREL (247) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.—*C. herculeanus ligniperdus* var. n. *rubens*, WHEELER (41) Psyche, **13**.

Carebarella gen. n. near *Solenopsis* (137), *bicolor* sp. n. Misiones (138), EMERY Firenze Boll. Soc. entom. **37**.

Crematogaster arata Misiones, EMERY (140) Firenze Boll. Soc. entom. **37**, sp. n.—*C. lineolata* Say, habits, WHEELER New York Bull. Amer. Mus. **22** (1-18) plates i-vi.—*C. laboriosa matsumurai* pl. xli f. 1, WHEELER (312) New York Bull. Amer. Mus. **22**.

Cryptocerus incertus Paraguay (171), *adolphi* Matto Grosso, *foliaceus* Peru, (172), EMERY Firenze Boll. Soc. entom. **37**, spp. n.—*C. duckei* Amazons, *silvae* Colombia, (233), spp. n.; *setulifer orbis* subsp. n. (231), *pilosus* st. n. *fiebrigi* (235); FOREL Bruxelles Ann. Soc. ent. Belgique **50**.

Ctenopyga townsendi sp. n. Mexico, ASHMEAD (29) f. 4 Washington Proc. ent. Soc. **8**.

Cyphomyrmex parallelus Matto Grosso; EMERY (161) Firenze Boll. Soc. entom. **37** sp. n.

Dolichoderus germaini leviusculus subsp. n. EMERY (173) T.c.

Dorylidae; classification, ASHMEAD (23-31) Washington D.C. Proc. ent. soc. **8**.

Dorymyrmex mucronatus Chubut, EMERY (174) Firenze Boll. Soc. entom. **37**, sp. n.—*D. pyramicus* var. n. *bicolor*, WHEELER (342) New York Bull. Amer. Mus. **22**.

Eciton silvestrii Uruguay (109), *planidorsum* Paraguay (110), spp. n.; *latiscapum hospes* subsp. n. (11); EMERY Firenze Boll. Soc. entom. **37**.—*E. praedator* ♂, FOREL (246) Bruxelles Ann. Soc. ent. Belgique **50**.

Ectatomma (Gnamptogenys) trigonum Nova Friburgo, EMERY (114) Firenze Boll. Soc. entom. **37**, sp. n.

Erebomyrma peruviana Marcapata, EMERY (139) T.c., sp. n.

Euprenolepis subg. n. for *Prenolepis procera*, EMERY (134) Bruxelles Ann. Soc. ent. Belgique **50**.

Forelius chalybaeus. Patagonia, EMERY (176) Firenze Boll. Soc. entom. **37**, sp. n.

Formica morsei sp. n. New England WHEELER (39) pl. iv f. i Psyche **13**.—*F. moki* sp. n. Grand Cañon, WHEELER (343) New York Bull. Amer. Mus. **22**.—*F. pratensis*, excrement and excrement-like objects on nests of, WASMANN (42) Zs. wiss. Insektenbiol. **2**.—*F. rufa*, times of appearance of sexes in one nest, WANACH (235) Berliner ent. Zs. **50**.—*F. fuliginosa* in Japan, DU BUYSSON (101, 102) Rev. Ent. Caen **25**.

Formicoxenus nitidulus (= *Stenamma westwoodi* auctt. Brit.) ♂, BAONALL (210) Ent. Mag. London **42**.

Iridomyrmex itoi var. n. *abbotti* Japan pl. xli f. 3, WHEELER (318) New York Bull. Amer. Mus. **22**.

Lasius flavus subsp. n. *nearcticus*, WHEELER (38) Psyche **13**.—*L. niger*, food oviposition of workers, nest founding, DE LANNON (43-46) Bruxelles Ann. Soc. ent. Belgique **50**; Gründung neuer Kolonien, MRÁZEK Zs. wiss. Insektenbiol. **2** (109-111).—*L. fuli-*

ginosus, duration of colony, GIARD Feuille jeunes natural. Paris **36** (30).

Leptogenys; injurious habits, Cook Science **23** (187-189) and WHEELER (348-350) T.c.

Leptothorax congruus Sm., WHEELER (316, 317) New York Bull. Amer. Mus. **22**.

Monomorium nipponense (310), *triviale* (311), WHEELER New York Bull. Amer. Mus. **22** spp. n.—*M. destructor* in N. America, WHEELER Ent. News **17** (265).

Myrmecina graminicola subsp. n. *nipponica* Japan, WHEELER (307) New York Bull. Amer. Mus. **22**.

Myrmecocystus; Rassegna critica delle specie paleartiche di, EMERY Bologna Mem. Acc. sc. **3** (173-187) 35 fig.—*M. setipes* var. *turcomanicus*, Vertheidigungsprozesse, FAUSSEK St. Petersburg Zap. Russ. Geogr. Obsč. **27** (1-192).

Myrmelachista rubiginosa Buenos Aires, EMERY (185) Firenze Boll. Soc. entom. **37**, sp. n.

Myrmica pachei Himalaya, FOREL (79) Lausanne Bul. Soc. sci. nat. **42**, sp. n.—*M. rubra laevinodis* var. n. *bruesi*, WHEELER (38) Psyche **13**.

Nylanderia subg. n. for *Prenolepis vividula*, EMERY (134) Bruxelles Ann. Soc. ent. Belgique **50**.

Oecophylla smaragdina nat. history, BINGHAM 27-30 Fascic. Malay. Zool. **3**.

Oligomyrmex anophthalmus Amazons (138), with subsp. *punctatorugosa* (139), EMERY Firenze Boll. Soc. entom. **37**, sp. n.

Orthonotomyrmex nom. n. for *Orthonotus* Ashm.; ASHMEAD (31) Washington Proc. Ent. Soc. **8**.

Pachycondyla (Pseudoponera) sauteri sp. n. Japan (304) pl. xli f. 66, WHEELER New York Bull. Amer. Mus. **22**.

Pheidole desertorum sp. n. (337), with varr. *comanche* and *maricopa* (339), Grand Cañon, WHEELER T.c.—*P. taurus* (142), *cavifrons* (144), *silvestrii* (146), *strobili* (149), *vemiculatus* (157), *brevibarbis* (158), *silvestrii* (159), S. America, spp. n.; *bergi subparallela* subsp. n. (145), *risi trachyderma* subsp. n. (148), *cornatula imbecillis* var. n. (151), *gertrudae capillata* subsp. n. (151),

triconstricta varr. n. *ambulans* and *nubila* (153), *fallax* var. n. *retifera*, *flavens rudigenis* (155), *bispinosus* var n. *semistriata* (158); EMERY Firenze Boll. Soc. entom. 37.

Polyrhachis alexandri sp. n. Java (375), KARAWAIEW Zs. wiss. Insektenbiol. 2, n. sp.

Ponera japonica sp. n. Japan, WHEELER (306) New York Bull. Amer. Mus. 22.—*P. clavatula* Posadas, EMERY (116) Firenze Boll. Soc. entom. 37, sp. n.—*P. contracta*, habits, CHITTY (212) Ent. Mag. London 42.

†*Ponera hendersoni* sp. n. Florissant, COCKERELL (28) Ent. News 47.

Prenolepis kincaidi sp. n. Bermudas, WHEELER (350) New York Bull. Amer. Mus. 22.—*P. silvestrii* Buenos Aires, EMERY (186) Firenze Boll. Soc. entom. 37, sp. n.—*P. vividula* characters; cf. also *Nylanderia* and *Euprenolepis*; EMERY (130) Bruxelles Ann. Soc. ent. Belgique 50.—*P. flavipes*, WHEELER (320, 321) New York Bull. Amer. Mus. 22.

Pristomyrmex japonicus pl xli f. 7, WHEELER (317) T.c.

Pseudomyrma depressa, *oki*, (225), *kurokii* (226), Colombia, *duckei* Amazons (227), *alfari* Costa Rica (228), spp. n.; *acanthobia laevivertex* subsp. n. (227), *elongata* var. n. *tandem* (228), *biconvexa* var. n. *longiceps*, *nigropilosa laticeps* subsp. n. (229), *sericea* varr. n. *ita* and *vinnenii*, *tenuis* var. n. *pittieri* (230); FOREL Bruxelles Ann. Soc. ent. Belgique 50.—*P. subtilissima tenuissima* subsp. n., EMERY (119) Firenze Boll. Soc. entom. 37.

Rhizomyrma pachycera Parana, EMERY (182) T.c., sp. n.

Solenopsis silvestrii Uruguay (120), *decipiens* (126), La Plata, *albidula* (120), *tetracantha* (131), Nuñez, *patagonica* Chubut (132), *minutissima* Nuñez (133), *brevipex* Entre Rios (135), EMERY T.c., spp. n.—*S. geminata* var. n. *aurea* WHEELER (336) New York Bull. Amer. Mus. 22.

Stenamma owstoni sp. n. Japan (314), *aciculatum bruhneicorne* (315) pl. xli f. 14, WHEELER T.c.—*S. sagei pachei* subsp. n., FOREL (82) Lausanne Bull. Soc. Sci. Nat. 42.—*S. barbarum* var. n. *semoni*, FOREL (190) Bruxelles Ann. Soc. ent. Belgique 50.

(n-9720 j)

Strumigenys silvestrii Buenos Aires (168), *conspersa* Salta, *schmalzi* Brazil, (169), spp. n.; *smithi prospiciens* Misiones (167) subsp. n., EMERY Firenze Bull. Soc. entom. 37.

Sysphinctus watasei sp. n. Japan, WHEELER (303) New York Bull. Amer. Mus. 22.

Technomyrmex gibbosus sp. n. Japan pl. xli f. 4, WHEELER (319) T.c.

Tomognathus sublaevis, natural history, VIEHMAYER (58-67) pl. iii Dresden Sitz. Ber. Isis 1906.

Typhlomyrmex clavicornis Bolivia, EMERY (112) Firenze Boll. Soc. entom. 37, sp. n.—*T. clavicornis* var. n. *divergens*, FOREL (249) Bruxelles Ann. Soc. ent. Belgique 50.

Vollenhovia emeryi sp. n. Japan pl. xli figs. 10 and 11, WHEELER (312) New York Bull. Amer. Mus. 22.

Wasmannia auropunctata nigricans var. n., EMERY (161) Firenze Boll. Soc. entom. 37.

(†*Dimorphomyrmex theryi* EMERY, Paris Bul. soc. ent. 1905, sp. n.)

(*Eusphinctus duchaussoyi* ANDRÉ, Rev. Ent. 24 1905 sp. n.)

(*Odontomyrmex* gen. n. *quadridentatus* sp. n. ANDRÉ, Rev. ent. Caen 23 1904).

CHRYSIDAE.

Chrysis voiensis E. Africa, DU BUYSSON (111) Rev. ent. Caen 25, sp. n.—*C. monticellii* sp. n. Java; *C. laborans* Costa; BUYSSON Napoli Annuario Museo zool. 2 No. 2 1905.—*C. miri* Philippines, BROWN (685) Philipp. J. Sci. 1, sp. n.—*C. (Gonochochrysis) kansensis*, *C. (Tetrachrysis) equidens* (193), *kahli*, *pattonella*, (194), *snovi* (195), Kansas, spp. n., VIERECK Philadelphia Trans. Amer. Ent. Soc. 32.—*C. jensenii* sp. n. Mendoza Argentina, BUYSSON Kjöbenhavn Ent. Medd. 3.—*C. viridula*, ♀ habits; ADLERZ Arkiv. Zool. 3 No. 8.—*C. provancheri* nom. n. für *aurichalcea* Prov., SCHULZ (154) Spolia hymenopt.

Hedychridium cockerelli Colorado, DU BUYSSON (111) Rev. Ent. Caen 25, sp. n.

Heptachrysis roberteana Cape Colony, CAMERON (415) Grahams Town Rec.

Albany Mus. 1, sp. n.—*H. novae-guineae* sp. n. New-Guinea, CAMERON Nova Guinea Livr. i (49).

Hexachrysis whiteana sp. n. Cape Colony, CAMERON Graham's Town Rec. Albany Mus. 1 (412).

Notozus connexus sp. n. Kansas, VIERECK (192) Philadelphia Trans. Amer. Ent. Soc. 32.

Parnopes imberba Madagascar, DU BUYSSON (112) Rev. Ent. Caen 25, sp. n.

Pentachrysis leira sp. n. Cape Colony, CAMERON, Graham's Town Rec. Albany Mus. 1 (416).—*P. papuana* sp. n. New-Guinea, CAMERON Nova Guinea 5 Livr. 1 (49).

Tetrachrysis dalyana (413), *kloofensis* (414), *soleana* (415), Cape Colony, CAMERON Graham's Town Rec. Albany Mus. 1, spp. n.

The following Chrysidæ have been previously recorded in the Zoological Record.

(*Chrysis baeri*, DU BUYSSON. Paris Bul. Soc. ent., 1903, (311), sp. n.—*C. cecilia*, Java, *rippelii* Abyssinie, *gheringhi* Brésil, *tellinii* Erythræa, *distrecta* Sierra Leone, *goyasensis* Brésil, *myops* Argentine, *ypirangensis* Brésil, *alfkenella* Californie, *schulzi* Célèbe, *kathederi* Turquie, *rubropicta* Abyssinie, *alluaudi* Madagascar, DU BUYSSON, Rev. ent Caen 23, 1904, spp. n.)

(*Hedychridium andreinii* Erythræa, DU BUYSSON, *moricei* Zante T.c. spp. n.)

(*Hedychrum alluaudi* Madagascar, DU BUYSSON, T.c. sp. n.)

(*Holopyga wagneriella* Belouchistan, T.c. sp. n.)

(*Notozus decorsei* Afrique central, DU BUYSSON, T.c. sp. n.)

(*Parnopes oberthuri*, DU BUYSSON, T.c. *digueti* Mexique spp. n.)

IOHNEUMONIDÆ.

†*Acoenites defunctus* Colorado, BRUES (493) New York N.Y. Bull. Amer. Mus. 22, sp. n.

Acronus enderleini sp. n. Deutsch Ost-Afrika, SCHULZ (117) Spolia hymenopt.

Adelopimpla nom. n. für *Otenopimpla* Cam., SCHULZ (116) T.c.

Adiostola polita sp. n. Japan, ASHMEAD (173) Washington D.C. U. S. Nation. Mus. Proc. 30.

Agrypon singaporensis Singapore, *bicolor* Ceylon, *indicum* Ostendien, (124), *nigricans* Neu Guinea, *birói* N. S. Wales, (125), *concolor* Mexico (126), spp. n., SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Allocamptus cubitalis Ost-Afrika (148), *novo-guincensis* Neu-Guinea, *venezuelanus* Venezuela, (149), spp. n., SZÉPLIGETI T.c.

Allothea gen. n., *annulipes* sp. n. S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (103-104).

Amblyteles cephalotes Riom, BERTHOUMIEU (60) Echange 22, sp. n.

Amorphota augusta Kansas (180), *confluens* (217), *galvestonensis* (219), *ferruginosa* (220), Texas, spp. n., VIERECK Philadelphia Trans. Amer. Ent. Soc. 32.

Angitia autumnalis sp. n. Kansas, VIERECK (181) Philadelphia Pa., Trans. Amer. Ent. Soc. 32.

Anisojoppa gen. n., *lutea* sp. n. Natal, CAMERON Cape Town Ann. S. Afric. Mus. 5 (168).

Anomalon japonicum Japan, CAMERON, (98) Entomologist 1906, sp. n.—*A. trichosomum* Australia, CAMERON (182) T.c., sp. n.

Apechthis orbitalis pl. xiii f. 2, *saporoensis* spp. n., Japan, ASHMEAD (178) Washington D.C. U. S. Nation. Mus. Proc. 30.

Arotes ? *flavescens* Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 (130), sp. n.

Asphragis ? *flavo-orbitalis* Cape Colony, CAMERON (18) Entomologist London 29, sp. n.

Asthenara rufocincta sp. n. Japan, ASHMEAD (183) Washington D.C. U. S. Nation. Mus. Proc. 30.

Ateleute pallidipes sp. n. Japan, ASHMEAD (186) Washington D.C. U. S. Nation. Mus. Proc. 30.

Atrometus sericeus Singapore, *tricolor* Paraguay, spp. n., (126), SZÉPLIGETI

Ann. Hist.-Nat. Mus. Mus. Nat. Hung. 4.

Banchus reparandus **nom. n.** für *tricolor* Cam., SCHULZ (95) *Spolia* hymenopt.

Barylypa pilosella (277), *interstitialis*, *rufolineata*, (278), *variornata*, *erythrocerca*, (279), Baluchistan, CAMERON Bombay J. Nat. Hist. Soc. 17, **spp. n.**

Bassus japonicus **sp. n.** Japan, ASHMEAD (183) Washington D.C. U. S. Nation. Mus. Proc. 30.

Bathymyeris **gen. n.** near *Xorides*, *longipes* **sp. n.** Sikkim, CAMERON (251) Entomologist 1906.

Bathymetis sapporoensis **sp. n.** Japan, ASHMEAD (172) Washington D.C. U. S. Nation. Mus. Proc. 30.

Bucheckerius **gen. n.** anomalous (280), *perforatus* **sp. n.** Fernando Po (285), SCHULZ *Spolia* hymenopt.

Calliclisis incerta **sp. n.** Japan, ASHMEAD (182) pl. xiv f. 1, Washington D.C. U. S. Nation. Mus. Proc. 30.

Campoplex hakonensis, *bicoloripes*, **spp. n.**, Japan, ASHMEAD (184) Washington D.C. U. S. Nation. Mus. Proc. 30. — *C. japonicus* Japan, CAMERON (99) Entomologist 1906, **sp. n.** — *C. fulvicornis*, *rufoscapus*, *erythrospilus*, *crassiventris*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (93), **spp. n.** — *C. wyomingensis* **sp. n.** Wyoming, VIERECK (242) Philadelphia Trans. Amer. Ent. Soc. 32.

Charops cariniceps S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (92), **sp. n.** — *C. luteus* Neu-Guinea, *pilosus* Peru, (127), *similis* Bolivien, *albistylus* Peru, (128), *brasilensis* Brasilien (129), **spp. n.** SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Cratocryptodes **nom. n.** für *Cratocryptus* Cam., SCHULZ (123) *Spolia* hymenopt.

Cremastus indicus Ost.-Indien, *australiensis* N. S. Wales, (152), *niger* Bolivien (153), **spp. n.**, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Cryptaulax **gen. n.**, *erythrostomus*, *ruficeps*, **spp. n.**, CAMERON Cape Town Ann. S. Afric. Mus. 5 (150-152).

Cryptus sokotranus Sokótra, KOHL (118) Hym. Südab., **sp. n.** — *C. violaceo-*

tinctus Quetta (284), *nursei* Kashmir (285), CAMERON Bombay J. Nat. Hist. Soc. 17, **spp. n.** — *C. spilocephalus*, *simillimus*, *rufoplagiatus*, *natalensis*, *leighi*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (137-141), **spp. n.** — *C. alberti* **sp. n.** Japan, ASHMEAD (175) Washington D.C. U. S. Nation. Mus. Proc. 30. — *C. consobrinus* **sp. n.** Arizona, VIERECK (225) Philadelphia Trans. Amer. Ent. Soc. 32. — *C. perturbator* **nom. n.** für *tuberculatus* Cam., SCHULZ (124) *Spolia* hymenopt.

Crytea **gen. n.**, *foreata*, *fuscomaculata*, *lutea*, *varicornis*, **spp. n.**, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (171-173).

Ctenotoma **gen. n.**, *fuscipennis*, *nigriceps*, *ruficeps*, **spp. n.**, S. Africa, CAMERON T.c. (127-129).

Cubocephalus nigriventris, host *Tetropium*, DONISTHORPE (41) Ent. Mag. London 42.

Cymatoneura nugalis **sp. n.** Fernando Po, SCHULZ (275) *Spolia* hymenopt.

Delaulax **gen. n.**, *rufus* **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (111-112).

Dicoelotus pulex, *lugens*, Algérie, BERTHOUMIEU (60) Echange 22, **spp. n.**

Elasmognathias **nom. n.** for *Elasmognathus* Ashm., ASHMEAD (31) Washington Proc. Ent. Soc. 8.

Enicospilus melanospilus **sp. n.** New-Guinea, CAMERON Nova Guinea 5 Livr. 1 (48).

Ephialtes krieckbaumeri **nom. n.** für *geniculatus* Kriechb., SCHULZ (115) *Spolia* hymenopt.

Epirhyssa tuberculata **sp. n.** Borneo, CAMERON Singapore J. Straits R. As. Soc. No. 46 (114).

Epiurus annulitarsis, *hakonensis* (179), *persimilis* (180), **spp. n.**, Japan, ASHMEAD Washington D.C. U. S. Nation. Mus. Proc. 30.

Eristicus tibialis S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (181), **sp. n.**

Erythrophion **gen. n.**, *ferrugineus* **sp. n.** Cape Town, CAMERON T.c. (87-88).

Erythropimpla fruhstorferi Celebes (105), *obiensis* Obi (107), *aethiopica*

Usambara (109), *himalayensis* Sikkim (110), *celebensis* Celebes (111), SCHULZ *Spolia hym.*, **spp. n.**

Euryophion **gen. n.**, *nigripennis* **sp. n.** Natal, CAMERON Cape Town Ann. S. Afric. Mus. 5 (83).

Exephanes nigromaculatus, *flavomaculatus*, S. Africa, CAMERON (161) T.c., **spp. n.**—*E. koebelei* **sp. n.** Japan, ASHMEAD (170) Washington D.C. U. S. Nation. Mus. Proc. 30.

E. nigromaculatus ♂, CAMERON (335) Cape Town Trans. S. Afric. Phil. Soc. 16.

Exetastes nitidus **sp. n.** Quetta, CAMERON (274) Bombay J. Nat. Hist. Soc. 17.—*E. peronatus* Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 (101), **sp. n.**

Exochus hakonensis **sp. n.** Japan, ASHMEAD (184) Washington D.C. U. S. Nation. Mus. Proc. 30.

Fileanta rufo-cauda **sp. n.** Quetta, CAMERON (287) Bombay J. Nat. Hist. Soc. 17.

Gabunia ruficeps Natal, CAMERON (30) Entomologist 39, **sp. n.**

Gavrana **gen. n.** *Phygadeuonini*, *maculipes* **sp. n.** Australia, CAMERON (180) T.c.

Glypta nigro-ornata Cape Colony, CAMERON (117) Cape Town Ann. S. Afric. Mus. 5, **sp. n.**

Glyptojoppa **gen. n.**, *sulcata* **sp. n.** Tenasserim; CAMERON (229) Entomologist 1906.

Gonioprymnus **gen. n.**, *maculiceps* **sp. n.** Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 (126).

Habronyx nigra **sp. n.** Chili (123), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Hemichneumon anceps Val d'Isère, BERTHOUMIEU (60) Échange 22, **sp. n.**

Hemiphialtes **gen. n.** *Pimplini*, *glyptus* **sp. n.** Japan pl. xiii f. 1, ASHMEAD (177) Washington D.C. U. S. Nation. Mus. Proc. 30.

Hemiteles sapporoensis **sp. n.** Japan, ASHMEAD (174) Washington D.C. U. S. Nation. Mus. Proc. 30.—*H. antarecticus*, TOSQUINET (53) pl. ii f. 5 Résult. Belgica, Zoologie.—*H. biannulatus*, parasite of *Trichoptera*, NIELSEN Zs. wiss. Insektenbiol. 2 (385-386).—*H.*

caducus **nom. n.** für *geniculatus* Cam., SCHULZ (125) *Spolia hymenopt.*

Henicophatnus pilosus Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 (166), **sp. n.**

Henicospilus bantu **sp. n.** Fernando Po, SCHULZ (278) *Spolia hymenopt.*—*H. damarensis*, *natalensis*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (81), **spp. n.**—*H. fenestralis* (134), *seminiger*, *africanus*, *brevipennis*, (135), Ostafrika, *capensis* Capland, *madagascariensis* Madagascar, *angustatus* Ostafrika, (136), *communis* Ostafrika (137), *borneensis* Borneo, *abdominalis* Ceylon, *xantusi* Borneo, (138), *flagellaris*, *biroi*, Neu-Guinea, (139), *novo-guineensis*, *gracilis*, Neu-Guinea, (140), *interruptus*, *nigricornis*, *cingulatus*, Neu-Guinea, (149), *celebensis*, *rufinervis*, Celebes, *diversus*, *nigrinervis*, Neu-Guinea, (142), *lunulatus* Bismark-Archipel, *aequalis* Neu-Guinea, *incompletus* Celebes, (143), *dispilus*, *fuscatus*, Brasilien, *trispilus* Bolivien, (145), *elegans* Brasilien, *seminiger*, *xanthocarpus*, Bolivien, (146), *persimilis*, Peru, *xanthostigma*, *fuscipennis*, *brasilienis*, Brasilien, (147), **spp. n.**, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Holcopimpla **gen. n.**, *nigricornis* **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (113).

Hymenobosmina pomonellae **sp. n.** Cape Town, CAMERON Trans. S. Afric. Phil. Soc. 16 (338).

Ichneumon spicicornis (59), *areticornis* (60), Algerie, *cenisiensis* Mont. Cenis (61), BERTHOUMIEU Échange 22, **spp. n.**—*I. ruficaudis*, *natalensis*, **spp. n.**, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (159).—*I. hemimelanarius* **sp. n.** Arizona (226), VIERECK Philadelphia Trans. Amer. Ent. Soc. 32.—*I. flavofaciatis* **sp. n.** Pennsylvania, VIERECK (245) T.c.—*I. ashmeadi* **nom. n.** für *imitator* Ashm., SCHULZ (128) *Spolia hymenopt.*

Idecthis biconjunctus Kansas (180), *paenerivalis* Texas (216), **spp. n.**, VIERECK Philadelphia Trans. Amer. Ent. Soc. 32.

Irabatha **gen. n.** *Mesostenini*, *albipina* **sp. n.** New Guinea, CAMERON Nova Guinea 5 Livr. 1 (47).

Laphyetes ? *trilineatus* Australia, CAMERON (182) Entomologist 1906, **sp. n.**

Larciga coerulea **sp. n.** Himalayas, CAMERON Zs. Hymenopter. 6 (159).

Lassonota baluchistanensis **sp. n.** Quetta, CAMERON (283) Bombay J. Nat. Hist. Soc. 17.

Leptodemas cariniscutis **sp. n.** Cape Town, CAMERON Trans. S. Afric. Phil. Soc. 16 (330).

Leptophatnus, **gen. n.**, *ruficeps* **sp. n.** Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 (165-166).

Licnella canaliculata, *quadrianulata*, *ruficornis*, *latifasciata*, S. Africa, CAMERON T.c. (155-159), **spp. n.**

Limmerium fulvipalpis, *capense*, *peringuicyi*, *sessilinnervi*, *longiceps*, *melanostomum*, *areolatum*, S. Africa, CAMERON T.c. (97-100) **spp. n.**—*L. quettaense*, *forticarinatum*, (280), *parvicarinatum* (281), Baluchistan, CAMERON Bombay J. Nat. Hist. Soc. 17, **spp. n.**—*L. himalayense*, *erythropus*, Simla, CAMERON (249) Entomologist 1906, **spp. n.**—*Limmerium lawrencei* (178), *vigilis* (179), Kansas, **spp. n.**, VIERECK Philadelphia Trans. Amer. Ent. Soc. 32.

Lissichneumon **gen. n.**, *levis* **sp. n.** Simla, CAMERON (227) Entomologist 1906.

Lissonota lineaticeps, *acthiopica*, *fulvipalpis*, *fuscicornis*, *pulchripennis*, *marshalli*, L. (?) *spilocephala*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (119-124), **spp. n.**

Macrocentrus capensis S. Africa, CAMERON Cape Town Afric. Mus. T.c. (30), **sp. n.**

(?) *Macrophatnus balteatus*, M. (?) *trilineatus*, S. Africa, CAMERON T.c. (174-175), **spp. n.**

Matsumuraius **gen. n.** *Joppini* (169), *grandis* **sp. n.** Japan (170) pl. xii f. 1, ASHMEAD Washington D.C. U. S. Nation. Mus. Proc. 30.

Megarhyssa japonica **sp. n.** Japan, ASHMEAD (176) T.c.

Melanichneumon japonicus **sp. n.** Japan, ASHMEAD (171) T.c.

Mesoleptus and *Tryphon*; Gravenhorst's types examined and the consequent synonymy recorded, PFANKUCH (81-85,

etc., etc.), Zs. Hymenopter. Teschen-dorf 6.

Mesostenus octocinctus **sp. n.** Japan, ASHMEAD (175) Washington D.C. U. S. Nation. Mus. Proc. 30.—*M. rhodesiae lightfooti*, *elizabethae*, *levifrons*, *lissonotus*, *parvidens*, *albipalpis*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (145-149), **spp. n.**—*M. tricarinatus* **sp. n.** Quetta, CAMERON (286) Bombay J. Nat. Hist. Soc. 17.

†*Mesostenus modestus* Colorado, BRUES (492) New York N.Y. Bull. Amer. Mus. 22, **sp. n.**

Metopius erythropsilus, *nigroornatus*, *latibalteatus*, *alboornatus*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (132-136), **spp. n.**—*M. harbecki* **sp. n.** Pennsylvania, SKINNER (150) Ent. News 17.—*M. recedens* **nom. n.** für *erythropus* Cam., SCHULZ (98) Spolia hymenopt.

Nawaia **gen. n.** *Banchini* (184), *japonica* **sp. n.** Japan (185) pl. xiv f. 3, ASHMEAD Washington D.C. U. S. Nation. Mus. Proc. 30.

Necobosmina pilosella Simla, CAMERON (250) Entomologist 1906, **sp. n.**

Nesolinoceras **gen. n.** *Cryptini* (294), *espini* **sp. n.** Cuba (295), ASHMEAD Canad. Entomol. 38.

Nesopimpla **gen. n.** near *Itoplectis*, *naranyae* **sp. n.** Japan pl. xiii f. 3, ASHMEAD (180) Washington D.C. U. S. Nation. Mus. Proc. 30.

Nototrachus rufo-orbitalis **sp. n.** Quetta, CAMERON (276) Bombay J. Nat. Hist. Soc. 17.—*N. novo-guineensis* Neu-Guinea (129), *concolor* Bolivien, *variegatus*, *intermedius*, Brasilien, (130), **spp. n.**, SZÉKELYETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Odontagrypon **gen. n.**, *carinifrons*, *spinolotus* **spp. n.**, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (90-91).

Odontomerus nikkoensis **sp. n.** Japan, ASHMEAD (181) Washington U. S. Nation. Mus. Proc. 30.

Ophion carinatus (274), *peshinensis*, *quettaensis*, (275), Baluchistan, CAMERON Bombay J. Nat. Hist. Soc. 17, **spp. n.**—*O. rufoniger*, *O. (Pachyprotoma) capitatus*, Kaukasus, (223), *O. (Henicospilus) stenopsis* Bucharai, *pseudophia* Tenerife,

O. (Cymatoneura) hannibalis Tunis, (225), KOHL Wien Ann. Nat. Hist. Hofmus. 20, spp. n.—*O. diversus* Paraguay, *hyalinipennis* Venezuela, (131), *concolor* Argentinien, *pulcher*, *fuscipennis*, Bolivien, (132), spp. n., SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Ophiouneura rufideus, *videntatus*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (85-86), spp. n.

†*Orthocentrus prinnus* Colorado, BRUES (495) New York N.Y. Bull. Amer. Mus. 22, sp. n.

Osprynchotus ruficeps Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 (142), sp. n.

Otacustes? *rufipes* Australia, CAMERON (181) Entomologist 1906, sp. n. ☞

Otiophorus pictus Europe (= *Tryphon aulicus* Grav. ♂), PFANKUCH (95) Zs. Hymenopter. Teschendorf 6, sp. n.

Oxyjoppa gen. n., *flavobalteata* sp. n. Natal, CAMERON Cape Town Ann. S. Afric. Mus. 5 (169-170).

Paniscus melanogister Cape Colony, CAMERON T.c. (101), sp. n.—*P. kashmirensis*, *montanus*, Kashmir, CAMERON (29) Bombay J. Nat. Hist. Soc. 17, spp. n.—*P. incommunis* Australien, *celebensis* N. S. Wales, *novoguineensis* Neu-Guinea, (154), *brasiliensis* Brasilien, *diversus* Venezuela, *opaculus* Bolivien, (155), *fuscipennis*, *liopleuris*, *lucidulus*, Bolivien, (156), spp. n., SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.—*P. cephalotes* Holmgr., parasite of larva of *Cerura vinula* (Danish), NIELSEN Kjöbenhavn Ent. Medd. 3 1906 (5-16) pl.

Paracollyria gen. n., *flavipennis*, *funipennis*, *pulchripennis*, *ruficollis*, spp. n., S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 1906 (106-108).

Paraphylax albiscapus sp. n. Japan, ASHMEAD (173) Washington U. S. Nation. Mus. Proc. 30.

Parvolexis gen. n. near *Zaporus*, *flavus* sp. n. Baluchistan, CAMERON (282) Bombay J. Nat. Hist. Soc. 17.

Periceros nom. n. für *Perissocerus* F. Sm., SCHULZ (99) Spolia hymenopt.

Perithous violaceus Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 (109), sp. n.

Phaedraspis gen. n. near *Lobocryptus* (196), *rufobalteata* sp. n. Sumatra (197); CAMERON Entomologist 1906.

Phaerophadnus gen. n., near *Bathycrisis* (285), *striatus* sp. n. Quetta (286), CAMERON Bombay J. Nat. Hist. Soc. 17.

Phacogenes japonicus sp. n. Japan, ASHMEAD (172) Washington U. S. Nation. Mus. Proc. 30.—*P. teres* Lanslebourg, BERTHOUMIEU (60) Echange 22, sp. n.

Phaisura gen. n., *nigriceps* sp. n. Cape Town, CAMERON Cape Town Ann. S. Afric. Mus. 5 (170-171).

Pharsalia fragilis Wester. ♂ (119), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Philotymma? *flaviceps* S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (131), sp. n.

Pimpla nursei sp. n. Quetta, CAMERON (283) Bombay J. Nat. Hist. Soc. 17.—*P. pluto* sp. n. Japan, ASHMEAD (178) Washington D.C. U. S. Nation. Mus. Proc. 30.—*P. natalensis*, *melanospila*, *properata*, *hexensis*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (114-116), spp. n.—*P. parvialba* sp. n. Kansas, VIERECK (182) Philadelphia Pa. Trans. Amer. Ent. Soc. 32.—*P. landerensis* sp. n. Wyoming, VIERECK T.c. (242).—*P. heliophila* Cam., description of ♀, CAMERON Cape Town Trans. S. Afric. Phil. Soc. 16 (337).

†*Pimpla appendigera* Colorado, BRUES (494) New York N.Y. Bull. Amer. Mus. 22, sp. n.

Pimplomorpha gen. n., *trilineata* sp. n. Transvaal, CAMERON Cape Town Ann. S. Afric. Mus. 5 (95).

Pimplopterus japonicus sp. n. Japan, ASHMEAD (176) Washington U. S. Nation. Mus. Proc. 30.

Platylabus rufoornatus, *maculiscutis*, *alboornatus*, *nigripalpis*, *erythrocephalus*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (177-181), spp. n.

Pleuroneurophion pruinosis Natal, CAMERON T.c. (82), sp. n.

Pleuroneurophion giganteus sp. n. Malacca (134), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Podogaster major, *medius*, Brasilien, (121), *minor*, *variegatus*, Peru, (122), **spp. n.**, SZÉPLIGETI T.c.

Polyaenus spiniferus **sp. n.** Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46 (117).

Pristomerus chinensis **sp. n.** Swatow, ASHMEAD (186) Washington U. S. Nation. Mus. Proc. 30.—*P. celebensis* Celebes, *novo-guineensis* Neu-Guinea, *pulehripenis*, (150), *surinamensis* (151), Surinam, **spp. n.**, SZÉPLIGETI Ann. Hist-Nat. Mus. Nat. Hung. 4.

Probolus albocinctus Australia, CAMERON (181) Entomologist 1906, **sp. n.**

Proterocryptus **gen. n.** *Hemitelini*, *navaii* **sp. n.** Japan pl. xii f. 3, ASHMEAD (174) Washington U. S. Nation. Mus. Proc. 30.

Pseudamblyteles peringneyi, *erythrospilus*, *maculicaudis*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (162-164), **spp. n.**

Rhexidermus japonicus **sp. n.** Japan, ASHMEAD (171) Washington U. S. Nation. Mus. Proc. 30.

Rhimphalea dubia **sp. n.** Japan, ASHMEAD (182) T.c.

Rhynchexetastes **gen. n.**, *violaceipennis* **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (102-103).

Rhynchotrevoria **gen. n.**, *rostrata* **sp. n.** S. Africa, CAMERON T.c. (125).

†*Rhyssa petiolata* Colorado, BRUES (494) New York N.Y. Bull. Amer. Mus. 22, **sp. n.**

Rierena **gen. n.**, *R. pallidipennis* **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (101-105).

Rossella, **gen. n.**, *violaceipennis* **sp. n.** Transvaal, CAMERON T.c. (176-177).

Rothmeyia fortispina Tenasserim, CAMERON (251) Entomologist 1906, **sp. n.**

Saotis flavopunctata Europe, PFANKUCH (218) Zs. Hymenopter. 6, **sp. n.**

Schizoloma nigricornis **sp. n.** Ostindien (123), SZÉPLIGETI Ann. Hist-Nat. Mus. Nat. Hung. 4.

Scinascopus japonicus (172), *albomaculatus* (173), Japan, ASHMEAD Washington U. S. Nation. Mus. Proc. 30.

Skeatia annulipes Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 (153), **sp. n.**

Stenaulax **gen. n.**, *pilosulus*, *niger*, *rufipes* **spp. n.**, S. Africa, CAMERON T.c. (143-145).

Stenichneumon sapporoensis **sp. n.** Japan, ASHMEAD (170) Washington U. S. Nation. Mus. Proc. 30.

Stenodontus spilocephalus Simla, CAMERON (228) Entomologist 1906.

Stenomeris **gen. n.** for *Cryptus xanthopus* Br., CAMERON (154) Cape Town Ann. S. Afric. Mus. 5, (154).

Stictophion, **gen. n.**, *nigricans*, *rufipes*, **spp. n.** S. Africa, CAMERON T.c. (85-87).

Synechroter japonicus **sp. n.** Japan, ASHMEAD (182) Washington U. S. Nation. Mus. Proc. 30.

Syrphoctonus atamiensis **sp. n.** Japan, ASHMEAD (183) T.c.

Temelucha japonica **sp. n.** Japan, ASHMEAD (185) T.c.

Theronia japonica **sp. n.** Japan, ASHMEAD (181) T.c.—*T. hippotigris* Ceylon (234), *zebroides* Sumatra (236), *macrodus* Celebes (237), *limbata* (238), *sulcata*, Ron. isld., *maculosa* Australia (239), *hildebrandti* Madagascar, *schmiedeknechti* Java, (319), *steindachneri*, *dubia*, Australia, (320), **spp. n.**; *zebra* var. *n. continentalis* (237), *atalantae* var. *n. americana* (240), *trivittata* var. *n. bipunctata* (318); KRIEGER Zs. Hymenopter. 6.

Thersilochus pulehripenis **sp. n.** N. S. Wales (151), SZÉPLIGETI Ann. Hist-Nat. Mus. Nat. Hung. 4.

Thyreodon intermedius Brasilien, *pulehricornis* Peru, (133), *zonatus* Bolivien (134), **spp. n.**, SZÉPLIGETI T.c.—*T. morio* *n. race?* *trasionalis*, VIERECK (225) Philadelphia Trans. Amer. Ent. Soc. 32.

Tranosema? striata (276), *spilostoma* (277), Baluchistan, CAMERON Bombay J. Nat. Hist. Soc. 17, **spp. n.**

Trichomma? cariniscutum, *T. brevipes*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (88), **spp. n.**

Tryphon cf. *Mesoleptus*.

Xanthepialtes **gen. n.** for *Ephialtes oculatus*, CAMERON Cape Town Ann. S. Afric. Mus. 5 (118).

Xanthopimpla natalensis, *appendiculata*, S. Africa, CAMERON T.c. (110), **spp. n.**—*X. lissonota* (115), *bimaculata* (116), **spp. n.**, Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46.—*X. nana* **nom. n.** für *parva* Cam., SCHULZ (114) *Spolia* hymenopt.

Xenolytus rufipes Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 (154), **sp. n.**—*X. rufipes* **sp. n.**, Cape Town, CAMERON Trans. S. Afric. Phil. Soc. 16 (329).

Xiphosoma nigra **sp. n.** Brasilien (119), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Xiphosomella boliviensis, *cremastoides*, Bolivien, (120), **spp. n.**, SZÉPLIGETI T.c.

(*Amblyteles canariensis* BERTHOUMIEU, Paris Bul. soc. ent. 1903, **sp. n.**)

(*Diadromus cabrerai* BERTHOUMIEU, T.c. **sp. n.**)

(*Herpestomus rufithorax* BERTHOUMIEU, T.c. **sp. n.**)

(*Ichneumon flebilis*, *kervillei*, *canariensis*, *nivaliensis*, BERTHOUMIEU, T.c. **spp. n.**)

(*Phoegenes fulvidens* BERTHOUMIEU, T.c. **sp. n.**)

(*Platylabus cabrerai* BERTHOUMIEU T.c. **sp. n.**)

BRACONIDAE.

Acanthobracon nigripes, *maculiceps*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (78-79), **spp. n.**

Acanthorhogas **gen. n.** zwischen *Rhogas* und *Doryctes*, *setosus* **sp. n.** Brasilien, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4 (609-610).

Acanthormius **gen. n.** *Hormiini*, *japonicus* **sp. n.** Japan, ASHMEAD (200) Washington U. S. Nation. Mus. Proc. 30.

Aclitus nawai **sp. n.** Japan, ASHMEAD (188) pl. xv f. 3 T.c.

Adesia, **gen. n.**, *longicornis* **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (79-80).

Agathis ? *capensis* Cape Town, CAMERON T.c. (37), **sp. n.**—*A. albolineata* **sp. n.** New-Guinea, CAMERON Nova Guinea 5 Livr. 1 (47).—*A. latibalteata* Australia, CAMERON (26) Entomologist

London 39, **sp. n.**—*A. infortunata* **nom. n.** für *nigritarsis* Cam., SCHULZ (137) *Spolia* hymenopt.

Alitha **gen. n.** *Alysiidae*, *longipennis* **sp. n.** Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 1906 (28-29).

Apanteles marshalli ? **sp. n.**, ? = *formosus*, BIGNELL (275) Ent. Mag. London 42.—*A. sesamiae* **sp. n.** Cape Town, CAMERON Trans. S. Afric. Phil. Soc. 16 (335).—*A. deliadiis* Queensland from *Delias argenthona*, BINGHAM (125) London Trans. ent. Soc. 1906, **sp. n.**

Aphidius gifuensis (188), *japonicus*, *luchnicorus*, *areolatus*, (189), **spp. n.**, Japan, ASHMEAD Washington U. S. Nation. Mus. Proc. 30.

Ascogaster atamiensis **sp. n.** Japan, ASHMEAD (191) T.c.

Atanycolus bambalio **sp. n.** Fernando Po, SCHULZ (292) *Spolia* hymenopt.—*A. peruvianus* **sp. n.** Peru, SZÉPLIGETI (549), Ann. Hist.-Nat. Mus. Hung. 4.

Atoreuticus austriacus **sp. n.** Wien, (605), SZÉPLIGETI T.c.

Bacuma **gen. n.**, *fumipennis*, *maculiventris*, **spp. n.**, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (68-69).

Bathyaulax **gen. n.** *Braconinae* (559), *bicolor* (559), *concolor* (560), Deutsch Ost-Afrika **spp. n.**, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Batotheca ; cf. *Spinaria leucomelaena*.

Binarea pulchripes, *fuscipennis*, **spp. n.**, Paraguay, SZÉPLIGETI (600) Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Bracon ; table of British, MORLEY (106-110) Ent. Mag. London 42.—*B. amorosus* Sokótra, KOHL (123) Hym. Südarab., **sp. n.**—*B. verus* Deutsch Ostafrika, *maroccanus* Morocco, (588), *asiaticus* Ceylon (589), *surinamensis* Surinam und Bolivien, *boliviensis* Bolivien, (591), *rufator* Paraguay, *melanochirus*, *communis*, Bolivien, *capitalis* Guadeloupe, *mesocentrus*, (592), *mesomurus*, *limurus*, *excisor*, Bolivien, (593), *camptoneurus* Bolivien, *lunatus* Peru, (594), **spp. n.**, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.—*B. sesamiae* **sp. n.** Cape Town, CAMERON Trans. S. Afric. Phil. Soc. 16 (334).—*B. difficilis* Cape, CAMERON Cape Town

Ann. S. Afric. Mus. 5 (58), *sp. n.*—*B. quettacnis* (105), *iridipennis* (106), *spp. n.*, Quetta, CAMERON Bombay J. Nat. Hist. Soc. 17.—*B. mosoensis sp. n.* New Guinea, CAMERON Nova-Guinea 5 Livr. 1 (43).—*B. turneri* Australia, CAMERON (26) Entomologist London 1906, *sp. n.*—*B. saussurei nom. n.* für *pusillus* SAUSS (101), *secermendus nom. n.* für *congruus* SZÉPL. (139), *americacentralis nom. n.* für *nicaraguaensis* Cam., *ternatensis nom. n.* für *spilogaster* Cam., (140), SCHULZ *Spolia hymenopt.*

Braconella gen. n. Bracoininae, major, minor, Deutsch Ostafrika, (587), *spp. n.* SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Braunsia madagascariensis Madagaskar (257), *sumbana* Sumba (258), *sucarandana* Sumatra (260), *sumatrana* (262), *bipunctata* (263), Sumatra, *spp. n.*, ENDERLEIN Stettiner ent. Ztg. 67.

Campyloneurus basalis sp. n. Mozambique, SZÉPLIGETI (560) Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Cardiochiles; key to South African species, CAMERON Cape Town Trans. S. Afric. Phil. Soc. 16 (331).—*C. nigricollis, erythronotus, spp. n.*, Quetta, CAMERON (102) Bombay J. Nat. Hist. Soc. 17.—*C. alboclearatus* Sumatra (247), *laevifossa* (248), *javanus* (249), Java, *rufithorax* Guinea (250), *ceylonicus* Ceylon (251), *szepelgeli* (= *testaceus* Sz.) (252), *spp. n.*, ENDERLEIN Stettiner ent. Ztg. 67.

Chelonogastra koebelei (195) pl. xiv f. 3, *pleuralis* (196), *spp. n.*, Japan, ASHMEAD Washington U. S. Nation. Mus. Proc. 30.

Chelonus areolatus, fortispinus spp. n., Quetta, CAMERON (103) Bombay J. Nat. Hist. Soc. 17 (103).—*C. erythropus* (33), *vaalensis, curvimaculatus*, (34), S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5, *spp. n.*

Chremylus japonicus sp. n. Japan, ASHMEAD (200) Washington U. S. Nation. Mus. Proc. 30.

Clinocentrus hungaricus Budapest (607), *seminiger* Bolivien (608), *spp. n.*, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Colastes Hal.; Übersicht der Arten, SZÉPLIGETI T.c. (606).

Conspinariaria nom. n. für *Paraspinaria* Cam. *Spolia zeylan.*, SCHULZ (139) *Spolia hymenopt.*

Cremnops borneana sp. n. Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46 (113).

Cystomastax minor sp. n. Brasilien, SZÉPLIGETI (609) Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Dapsilotoma gen. n. Microgasterinae (101), *testaceipes sp. n.* Quetta, CAMERON Bombay J. Nat. Hist. Soc. 17.

Dinotrema signifrons sp. n. Kansas, VIERECK Philadelphia Trans. Amer. Ent. Soc. 32.

Disophrys rufa, testacea, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (38), *spp. n.*—*D. tinetipennis sp. n.* Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46 (112).

Doryctes; Übersicht der Arten, SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4 (603–604).

Ephedrus japonicus sp. n. Japan, ASHMEAD (187) Washington U. S. Nation. Mus. Proc. 30.

Esenga gen. n., ovata sp. n. Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 (36).

Euagathis fuscipennis (45), *papua* (46), *spp. n.*, New-Guinea, CAMERON Nova Guinea 5 Livr. 1.

Exothecus elizabethae, pulchripennis, flaviceps, flavofasciatus, forticornis, canaliculatus, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (72–75), *spp. n.*

Folchinia gen. n. (113), *halterata* Sardinia, *brevipennis*, Italy, *spp. n.*, (114), KIEFFER Bruxelles Ann. Soc. Sci. 30, Mém.

Gastrotheca bilobata Cape Colony, CAMERON Cape Town Ann. S. Afric. Mus. 5 (35), *sp. n.*

Glyptapanteles politus, minor, femoratus (192), *G. (Apanteles) japonicus, nawai*, (193), *spp. n.*, Japan, ASHMEAD Washington U. S. Nation. Mus. Proc. 30.

Glyptomorpha apicalis sp. n. Deutsch Ost-Afrik., *G. baetica* var. *n. mauritanica*, SZÉPLIGETI (548) Ann. Hist.-Nat. Mus. Hung. 4.

Goniobracon **gen. n.** *Braconinae* for *perspicax* Szépl. etc., SZÉPLIGETI (581) T.c.

Habrobracon; Synopsis der Arten, SZÉPLIGETI T.c. (594-595).

Hemibracon **gen. n.** *Braconinae*, *peruensis* etc. SZÉPLIGETI T.c. (558).

Heterogamus fasciatipennis, *thoracicus*, **spp. n.**, Japan, ASHMEAD (198) Washington U. S. Nation. Mus. Proc. 30.

Heterospilus boliviensis **sp. n.** Bolivien (596), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Hewittella **gen. n.** near *Odesia* (287), *flavomaculata* Borneo (288) **sp. n.**, CAMERON Zs. Hymenopter. 6.

Hybodorgetes **gen. n.** for *Doryctes bicolor* Szépl. (604), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Hybogaster **gen. n.** *Braconinae* for *gibberosus* Szépl. ♀, SZÉPLIGETI (581) T.c.

Hybothorax **gen. n.** *Braconinae* (556), SZÉPLIGETI T.c.

Iphiaulax insularis Cypren (583), *laciuncululus* Madagascar, *tegularis* Süd-Afrika, (585), **spp. n.**, SZÉPLIGETI T.c.—*I. agnata* S. Arabia, KOHL (120) Hym. Südarab., **sp. n.**—*I. xanthocarpus*, *xanthopterus*, (41), *longicoxis*, *havländi*, (42), *durbanensis* (43), *levissimus* (44), *meridionalis* (45), *mediator*, *coccineomaculatus*, (46), *varipalpis* (48), *tanyceras* (49), *varitinctus*, *decorus*, (50), *dodsi*, *lativentris*, (51), *calviniae*, *erythrostomus*, (53), *rhodesianus* (54), *trichiosomus*, (55), *xanthostomus*, (56), *robustus* (57), *mimeticus* (58), S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 1906, **spp. n.**—*I. hewittii* (104), *sadongensis* (105), *curvinervis* (106), *inaus* (107), *triornatus* (108), *alboornatus* (109), **spp. n.**, Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46.—*I. papuanus* **sp. n.** New-Guinea, CAMERON Nova Guinea 5 Livr. 1 (44).—*I. inacceptus* **nom. n.** für *basimacula* Cam., *successor* **nom. n.** für *megapterus* Cam., SCHULZ (140) Spolia hymenopt.

Ipobracon novo-caledonicus, *minor*, Neu-Caledonien, (564), *albofasciatus* Bolivien, *dominus* Paraguay, (570), *schrottkyi* Paraguay, *honoratus*, *flavicornis*, *disparatus*, Bolivien, (571), *praecellens* Bolivien, *lustrator* Para-

guay, (572), *honestus* Surinam, *trinidadensis* Trinidad, *luctuosus* Bolivien, (573), *puclens*, *pseudovipis*, *glyptomorphus*, *memorivagus*, Paraguay, (574), *poultoni* Brasilien, *mysticus* Paraguay, *surinamensis* Surinam, (575), *plebejus* Surinam, *dispar* Peru, *hemisphaericus* Bolivien, (576), *scitus*, *scitulus*, *nebulosus*, Surinam, (577), *florivinus*, *dives*, *pumicatus*, *melanoderes*, Surinam, (578), *inaequalis*, *subpartitus*, *tripartitus*, Surinam, (579), *feronia* Bolivien, *posthumus* Surinam, (580), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4, **spp. n.**

Ischiogonus hakonensis, **sp. n.** Japan, ASHMEAD (199) Washington U. S. Nation. Mus. Proc. 30.

Kahlia secunda **sp. n.** Japan, ASHMEAD (187) T.c.

Latana, **gen. n.** for *L. excavata*, **sp. n.** S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (77-78).

Leptobracon minor **sp. n.** Surinam, SZÉPLIGETI Ann. Hist.-Nat. Mus. Hung. 4 (548).

Libyophilus **gen. n.** *Alysiinae*, *villosus* **sp. n.** Algeria, KIEFFER (115) Bruxelles Ann. Soc. Scient. 30.

Liodoryctes **gen. n.** for *Acanthobracon australiensis* Szépl., SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4 (599).

Lysiph'eus japonicus **sp. n.** Japan, ASHMEAD (190) Washington U. S. Nation. Mus. Proc. 30.

Macrocentrus gifuensis **sp. n.** Japan, ASHMEAD (191) T.c.—*M. rufo-testaceus*, *fuscipes*, (104), **spp. n.** Quetta, CAMERON Bombay J. Nat. Hist. Soc. 17.

Macrodactylus flavipes **sp. n.** Japan, ASHMEAD (195) Washington U. S. Nation. Mus. Proc. 30.

Macronura **gen. n.** *Braconinae* for *mirabilis* Szep. etc., SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Macrostomion lucidus **sp. n.** Bolivien, SZÉPLIGETI (608) T.c.

Megabracon **gen. n.** *Braconinae* (580), *mirus* Szépl. etc., Id. T.c.

Megagonia **gen. n.** verwandt mit *Iphiaulax* Szépl., *persimilis*, *rufa*, *seminigra*, Deutsch-Ostafrika, **spp. n.**, SZÉPLIGETI (582) T.c.

Megalommum nigriceps **sp. n.** New-Guinea, CAMERON Nova Guinea 5 Livr. 1.

Meganura n. gen. *Braconinae*, for *insignis* Sm. and *major* Szep., SZÉPLIGETI (552) Ann. Hist.-Nat. Mus. Hung. 4.

Megaproctus unifasciatus sp. n. Bolivien, SZÉPLIGETI (601) T.c.

Melanobracon tibialis sp. n. Japan, ASHMEAD (195) Washington U. S. Nation. Mus. Proc. 30.—*M. ulmicola* sp. n. Kansas, VIERECK (176) Philadelphia Trans. Amer. Ent. Soc. 32.

Merinotus gen. n. verwandt mit *Iphiaulax* (553), *atripennis* Deutsch Ostafrika (553), *bicostatus*, *striatus*, Südafrika, *zanzibaricus* Zanzibar, (554), *seticaudis* Sumatra (555), spp. n., SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Mesobracon niger Afrika (596), *concolor* Mosambique, *similis* Sierra Leone, (597), spp. n., SZÉPLIGETI T.c.

Meteorus japonicus sp. n. Japan, ASHMEAD (190) Washington U. S. Nation. Mus. Proc. 30.—*M. eumenidis*, larva, BRUCH (225) pl. figs. 8–10 Revist. Mus. La Plata 11.—*M. australis*, TOSQUINET (55) pl. ii f. 6 Résult. Belgique, Zoologie.

Microbracon jappellus sp. n. Japan, ASHMEAD (196) Washington U. S. Nation. Mus. Proc. 30.

Microdus? ambiguus S. Arabia, KOHL (126) Hym. Südarab., sp. n.

Microgaster basalis (125), *perelegans* (126), Queensland, BINGHAM London Trans. ent. Soc. 1906, spp. n.

†*Microgaster primordialis* Colorado, BRUES (496) New York N.Y. Bull. Amer. Mus. 22, sp. n.

Microgasteridae; hosts and habits of some European, MORLEY Entomologist 1906 (99–105).

Microplitis atamiensis, *sapporocensis*, spp. n., Japan, ASHMEAD (194) Washington U. S. Nation. Mus. Proc. 30.

Minanga gen. n. (30), *serrata* sp. n. Cape Colony (31), CAMERON Cape Town Ann. S. Afric. Mus. 5 1906 (31).

Monarea diversa, *nigricoxa*, (601), *caudata* Peru (602), spp. n., SZÉPLIGETI Ann. Hist. Nat. Mus. Nat. Hung. 4.

Myosoma brulléi sp. n. Bolivien, SZÉPLIGETI (587) T.c.

Neoclinocentrus gen. n. verwandt mit *Clinocentrus*, *variegatus* sp. n. Bolivien, SZÉPLIGETI (608) T.c.

Neorhogas gen. n. verwandt mit *Rhogas* Nees (605), *luteus* sp. n. Ungarn (606), SZÉPLIGETI T.c.

Neotrimorus insularis sp. n. Fernando Po, SCHULZ (293) *Spolia hymenopt.*—*N. nigrobalteatus* sp. n. Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46 (111).

Odontogaster gen. n. near *Iphiaulax*, *minor* sp. n. Deutsch-Ost-Afrika, SZÉPLIGETI Ann. Hist.-Nat. Mus. Hung. 4 (551).

Odontoscapus krieckbaumeri Aden, KOHL (121) Hym. Südarab., sp. n.

Opus dacus Ceylon, CAMERON (280) *Spolia zeylan* 3, sp. n.

Orgilus nigromaculatus sp. n. Quetta, CAMERON (105) Bombay J. Nat. Hist. Soc. 17.

Pachylomma cremieri, association with *Lasius*; COBELLI (475) Wien Verh. zool.-bot. Ges. 1906.

Perilitus ruficollis S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (29), sp. n.

Phaenocarpa formosae sp. n. Japan, ASHMEAD (186) Washington U. S. Nation. Mus. Proc. 30.

Phanerotoma flava sp. n. Japan, ASHMEAD (191) T.c.—*P. ocularis* Sokotra (124), *saussurei* Madagascar, *sareptana* Sarepta, (125), KOHL Hym. Südarab., spp. n.

Phanomeris hungaricus sp. n. Budapest, SZÉPLIGETI (595) Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Plastobelyta gen. n. incertae sedis (116), *gallicola* sp. n. Chile (117), KIEFFER Bruxelles Ann. Soc. Scient. 30.

Platybracon conradi sp. n. Fernando Po, SCHULZ (290) *Spolia hymenopt.*—*P. mimas* S. Celebes, KOHL (122) Hym. Südarab., sp. n.

Protapanteles rufiventris Queensland, BINGHAM (127) London Trans. ent. soc. 1906, sp. n.—*P.?* *nigrescens* sp. n. Quetta, CAMERON (102) Bombay J. Nat. Hist. Soc. 17.

Pseudobracon concolor sp. n. Afrika, SZÉPLIGETI (596) Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Rhadinobracon gen. n. verwandt mit *Iphiaulax*, *luteus* Ceylon, (556), *breviscapus* Bolivien (557), *tuberculatus* Surinam, *apicalis* Bolivien, *cylindroscaapus* Surinam, (558), spp. n., SZÉPLIGETI T.c.

Rhogas fuscocomaculatus (198), *japonicus* (199), spp. n., Japan, ASHMEAD Washington U. S. Nation. Mus. Proc. 30.—*R. melanocephalus*, *melanocerus*, S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (71), spp. n.—*R. diversus* Croatia, *hungaricus* Budapest, *corsicus* Corsica, (616), *longipes* Deutsch Ostafrika, *politus* Australien, (617), spp. n., SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

†*Rhogas tertarius* Colorado, BRUES (496) New York N.Y. Bull. Amer. Mus. 22, sp. n.

Rhoctocentrus syriensis sp. n. Slavonien., SZÉPLIGETI (602) Ann. Hist.-Nat. Mus. Nat. Hung., 4.

Rhytimorpha nigriceps sp. n. Mozambique, SZÉPLIGETI (551) T.c.

Schizobracon gen. n., *S. ornatipennis*, S. Africa, sp. n., CAMERON Cape Town Ann. S. Afric. Mus. 5 (70).

Schonlandella testacea, *fulviventris*, S. Africa, CAMERON T.c. (39-40), spp. n.

Semirhytus concolor, *niger*, Bolivien, spp. n., SZÉPLIGETI (610) Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Spathius; Übersicht der Arten, SZÉPLIGETI T.c. (598).

Spinaria flavipennis (205), *chotanensis* (206), N. India, spp. n.; *S. leucomelaena* Westw. to *Batotheca* (205); CAMERON Entomologist 1906.—*S. westwoodi* sp. n. Borneo; CAMERON Singapore J. Straits R. As. Soc. No. 46 (109).

Spinariella gen. n. *Exothecinae*, for *mutica* Szépl. Celebes, SZÉPLIGETI (595) Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Telerda gen. n., *maculiceps*, *nigriceps*, spp. n., S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5 (75-76).

Trachybracon gen. n. *Braconinae*, *granulatus* Szépl. Congo, SZÉPLIGETI (552) Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Trichodoryctes gen. n. for *Acanthobracon striolatus* Szépl., SZÉPLIGETI (599) T.c.

Trigastrotheca gen. n. for *triobata*, sp. n., CAMERON Cape Town Ann. S. Afric. Mus. 5 (32).

Vipio auuuculus S. Arabia, KOHL (123) Hym. Südarab., sp. n.—*V. nursei* (106), *unicolor* (107), spp. n., Quetta, CAMERON Bombay J. Nat. Hist. Soc. 17.—*V. nomas* Transcaspien (246), *kirmansensis* (248), *nigrirostris* (249), Persia, *V. (Teraturus) roborowskii* China (Gobi) (250), KOKUYEW St. Petersburg Ann. Mus. Zool. Ac. Sci. 10, spp. n.—*V. trimaculatus* (60), *tinctipennis*, *pallidiner-vis*, (61), *maculiceps* (62), *nigripalpis*, *natalensis*, (63), *stictonotus*, *fumipennis*, (64), *longicaudis* (65), *spilocephalus*, *quinquemaculatus*, (66), *sexforeatus* (67), S. Africa, CAMERON Cape Town Ann. S. Afric. Mus. 5, spp. n.—*V. paraguayensis* sp. n. Paraguay, SZÉPLIGETI (157) Ann. Hist.-Nat. Mus. Hung. 4.

Xenobius albipes sp. n. Japan, ASHMEAD (197) Washington U. S. Nation. Mus. Proc. 30.

Xiphozele gen. n. *Zelini* (204), *compressiventris* sp. n. Himalaya (205); CAMERON Entomologist 1906.

Zaglyptogastra abbottii sp. n. Japan, ASHMEAD (197) pl. xv f. 4 Washington U. S. Nation. Mus. Proc. 30.

Zombrus similis sp. n. Deutsch-Ostafrika (600), SZÉPLIGETI Ann. Hist.-Nat. Mus. Nat. Hung. 4.

EVANIIDAE.

Aulacus holtzi sp. n. Kleinasien, SCHULZ (130) *Spolia hymenopt.*

Brachygaster liederwaldti (241), *laevis* (244), Brasilien, spp. n., ENDERLEIN Stettiner ent. Ztg. 67.

Evania nurseana sp. n. Quetta, CAMERON (99) Bombay J. Nat. Hist. Soc. 17.—*E. rimosa* Fernando Po (228), *satanas* (231), *setosa* (233), *simillima*, *rimiceps*, (236), Sumatra, *hirsuta* Malacca, with var. *rufofemorata*, (238), ENDERLEIN Stettiner ent. Ztg. 67, spp. n.; *E. appendigaster* distinctions (228), *orientalis* varr. n. *nigritarsis* and *tibialis* (230), *sumatrensis* var. n. *xanthops* (235), *kriegeriana* var. n. *trochanterica* (241), Id. T.c.—*E. broomi* sp. n. Cape Town, CAMERON Trans. S. Afric. Phil. Soc. 16 (331).—*E. peringueyi* (19), *meridionalis* (20), *fulvospinosa* (21), CAMERON Cape Town

Ann. S. Afric. Mus. 5, spp. n.—*E. de-meyerei* sp. n. New-Guinea, CAMERON Nova Guinea 5 Livr. 1 (42).—*E. taschenbergi* nom. n. für *rufa* Tasch., SCHULZ (134) *Spolia hymenopt.*

Gasteruption leptocephalum, *crassiventre*, *pulchripenne*, *johannis*, *maculiceps*, *spilopus*, CAMERON Cape Town Ann. S. Afric. Mus. 5 (22-27), spp. n.—*G. baluchistanense*, *quettaense*, (100), spp. n., Quetta, CAMERON Bombay J. Nat. Hist. Soc. 17.—*G. kashmirensis* sp. n. Kashmir, CAMERON (292) T.c.—*G. paraguayense* (56), *petrosellini* (57), *subtropicale* (58), *annulitarse*, *parvum*, (59), *brachychaetum* (60), spp. n., Paraguay, SCHROTTKY Zs. Hymenopter. 6.

Pristaulacus fasciatipennis sp. n. Borneo, CAMERON Singapore J. Straits R. As. Soc. No. 46 (103).—*P. decemdentatus* Brazil (119), *proximus* Barcelona (120), *polychromus* Brazil (122), KIEFFER Bruxelles Ann. Soc. scient. 30, spp. n.

Pseudofoenus neotropicus Paraguay, SCHROTTKY Zs. Hymenopter. 6 (62), sp. n.

MEGALYRIDAE.

Megalyra revised; *mastersi* (402), *variegata*, *kalgoorliensis*, *punctata*, (404), *viridescens*, *frenchi*, (405), *lyelli*, *hirsuta*, *minuta*, (406), spp. n., Australia, FROGGATT Sydney N.S.W. Proc. Linn. Soc. 31.

TRIGONALIDAE.

Trigonaloiden des königlichen zoologischen Museums in Berlin, SCHULZ Berlin Mitt. zool. Mus. 3 (203-212).

Bertonia gen. n. (349), *nigra* sp. n. Paraguay (350), SCHROTTKY Zs. Hymenopter. 6.

Lycogaster celebesiensis, SCHULZ Ann. Hist.-Nat. Mus. Nat. Hung. 4 (263-268) mit 3 Fig.

Nanogonalos gen. n. for *Trig. fasciatipennis* Cam., SCHULZ (211, 212) figs. Berlin Mitt. zool. Mus. 3.

Pseudogonalos gen. n. for *Trig. hahni*, SCHULZ (211) Berlin Mitt. zool. Mus. 3.—*P. hahni*, SCHULZ (272) Ann. Hist.-Nat. Mus. Nat. Hung. 4.

Poecilogonalos? gen. n., SCHULZ (212) Berlin Mitt. zool. Mus. 3.

Taenigonalos? gen. n., SCHULZ (212) T.c.

Seminota taschenbergi Brazil sp. n. (= *Trigonalys depressa* End. 1905); SCHULZ (206) T.c.; also SCHULZ Zs. Hymenopter. 6 (390).

Seminota = (*Bertonia*), *S. taschenbergi* = (*B. nigra* Schr.), SCHULZ (393) Zs. Hymenopter. 6.

Trigonalos melanoleuca, SCHULZ (269) Ann. Hist.-Nat. Mus. Nat. Hung. 4; full characters ♂ ♀, SCHULZ (207-209) Berlin Mitt. zool. Mus. 3.

STEPHANIDAE.

The genera of *Stephanidae*, ENDERLEIN (290) Stettiner Ent. Ztg. 67.

Diastephanus dolvini (291), *carinifrons* (293), Sumatra, *maculifemur* Malacca (294), *parviceps* Sumatra (296), spp. n., ENDERLEIN T.c.

Foenatopus albomaculatus Rhodesia, CAMERON Cape Town Ann. S. Afric. Mus. 5 (16), sp. n.—*F. indicus* varr. n. *sulcaticollis* and *sumbana*, ENDERLEIN (298) Stettiner ent. Ztg. 67.

Hemistephanus gen. n. *typus* H. *macrurus* Schlett. (301), *peruanus* Peru (302), *pehikei* Columbien (304), spp. n., ENDERLEIN Stettiner ent. Ztg. 67.

Neostephanus camerunus sp. n. Kamerun, ENDERLEIN (299) T.c.

Parastephanellus nom. n. für *Parastephanus pygmaeus* Enderl., ENDERLEIN (301) T.c.

†*Protostephanus* gen. n. *Stephanidae*, (57), *ashmeadi* sp. n. Florissant (58), COCKERELL Cambridge Bull. Mus. Harvard 50.

Stephanus (*Foenatopus*) *fernandopocensis* sp. n. Fernando Po (273), SCHULZ *Spolia hymenopt.*—*S. malayanus* sp. n. New-Guinea, CAMERON Nova Guinea 5 Livr. 1 (43).

(*Megischus ruficeps*, and *borneensis* SAUSSURE, Mission Pavie, 3, spp. n.)

CHALCIDIDAE.

Aëpocerus doliariae (178), *absconditus* (179), Südbrasilien, *sundaicus* Insel Norsa Kembangan bei Java (180), spp. n., MAYR Entomol. Ztg. Wien 25.

Ageniaspis fuscicollis, sviluppo e parasitismo endofago in *Prays oleellus*, SILVESTRI Roma Rend. Acc. Lincei 15 1° (650-657).

Anastatus pipunculii sp. n. Queensland, PERKINS (262) Honolulu Exp. Stat. Bull. 1.

Anusia xerophila sp. n. Texas, BRUES (61) Ent. News 17.

Aphelopus varicornis sp. n., BRUES (143-152) Milwaukee Bull. Wis. Nat. Hist. Soc. 4.

Apocrypta longitarsus sp. n. Kamerun, MAYR Entomol. Ztg. Wien 25 (163).

Blastophaga puncticeps sp. n. Insel Norsa Kembangan bei Java, MAYR T.c. (156).

Bruchophagus funebris, WEBSTER Washington Cir. U. S. Dept. Agric. Bur. Ent. No. 69.

Camarothorax gen. n. (182), *obscurus* Norsa Kembangan bei Java (184) sp. n., MAYR Entomol. Ztg. Wien 25.

Ceratosolen striatus Java, *emarginatus* Tongking, (153), *arabicus* Gebel Burn, *acutatus* Kamerun, (154), *marchali* Tongking (155), spp. n.; *C. fuscipes* ♂ (153); MAYR T.c.

Chalcerinys gen. n. *Encyrtidae* (258), *eximia* sp. n. Sydney (259), PERKINS Honolulu Exp. Stat. Bull. 1.

Chalcis fulvitaris sp. n. Quetta, *Chalcis responsator* Walk., CAMERON (94) Bombay J. Nat. Hist. Soc. 17.—*C. ornaticipes* sp. n. Kashmir, CAMERON (290) T.c.—*C. ashmeadi* nom. n. für *tarsalis* Ashm., SCHULZ (150) *Spolia hymenopt.*—*C. obscurata* Walk., habits etc., BANKS (215) Philipp. J. Sci. 1.

Cheiloneurus gonatopodis, *chlorodryini*, Queensland, PERKINS (261) Honolulu Exp. Stat. Bull. No. 1, spp. n.

Chryseida pachymeri sp. n. Paraguay, on *Pachymerus*, SCHROTTKY Zs. wiss. Insektenbiol. 2 (101).

Comperiella gen. n. *Encyrtidae* (121), *bifasciata* sp. n. China (122), HOWARD Ent. News 17 (121-129).

Critogaster characters of ♀; *C. pinata* sp. n. Para, MAYR Entomol. Ztg. Wien 25 (172, 173).

Deutereulophus nom. n. für *Eulophopteryx* Ashm., SCHULZ (146) *Spolia hymenopt.*

Diaulinus nom. n. für *Diaulus* Ashm., SCHULZ (146) T.c.

Dilaelaps nom. n. für *Laelaps* Walk. (144), *tapajoana* nom. n. für *ferruginea* Ashm. (145), SCHULZ T.c.

Dirrhinus erythroceras Quetta, CAMERON (92) Bombay J. Nat. Hist. Soc. 17.

Dynatogmus gen. n. (181), *robustus* Kamerun (182) sp. n.; MAYR Entomol. Ztg. Wien 25.

Echthrobaeccha gen. n. *Encyrtidae* (253), *injuriosa* sp. n. Queensland (254), PERKINS Honolulu Exp. Stat. Bull. 1.

Echthrodryinus gen. n. *Encyrtidae*, (252), *destructor* sp. n. Queensland (253), PERKINS T.c.

Echthrogonatopus gen. n. *Encyrtidae*, *exitiosus* Queensland (256), *pachycephalus* Ohio (257), spp. n., PERKINS T.c.

Ectopiognatha gen. n. *Encyrtidae* (254), *minor*, *major*, spp. n., (255), PERKINS T.c.

Eiseniella nom. n. for *Eisenia* Ashm.; ASHMEAD (31) Washington Proc. Ent. Soc. 8.

Etroxys xanthopus, *marginicollis*, Quetta, spp. n., CAMERON Bombay J. Nat. Hist. Soc. 17 (97).

Eukoebelea gigas Yemen (164), *camerunensis* Kamerun (165), spp. n., MAYR Entomol. Ztg. Wien 25.

Eulophus guttiventris sp. n. Washington, GIRAUD Ent. News 17 (305-307).

Eupristina aurivillii sp. n. Timor, MAYR Entomol. Ztg. Wien 25 (160).

Eusalandalum pici sp. n. Paraguay, on *Pachymerus*, SCHROTTKY (101) Zs. wiss. Insektenbiol. 2.

Eutelus caconymus nom. n. für *apicalis* Westw., SCHULZ (143) *Spolia hymenopt.*

Fulgoridicida gen. n. *Encyrtidae*, *diehroma* sp. n. Queensland, PERKINS (250) Honolulu Exp. sta. Bull. 1.

Halticella subelongata S. Arabia, KOHL (117) Hym. Südarab., sp. n.

Helegonatopus gen. n. *Encyrtidae* (257), *pseudophanes* sp. n. Ohio (258), PERKINS Honolulu Exp. Stat. Bull. 1.

Leucospis quettaensis (91), *nursei* (92), spp. n., Quetta, CAMERON Bombay J. Nat. Hist. Soc. 17.—*L. vicina* sp. n.

Arizona, VIERECK (227) Philadelphia Trans. Amer. Ent. Soc. **32**.—*L. affinis*, habits and life-history, GRAENICHER Milwaukee Bull. Wiss. Nat. Hist. Soc. **4** (153–159) with pl.

Litomastix truncatellus, development in *Plusia*, sexed and asexual larvae etc.; SILVESTRI Portici Ann. Scuola sup. Agric. **6** (1–51, sep. pag.) 5 plates.

Megacolus pruinosis sp. n. Quetta, CAMERON (93) Bombay J. Nat. Hist. Soc. **17**.

Megalostigmus xanthopus nom. n. für *flavipes* Ashm., SCHULZ (147) Spolia hymenopt.

Megastigmus spermotrophus, phytophagous habits, MACDOUGALL (52–65) 2 plates Edinburgh Trans. R. Scot. arbor. Soc. 1906.

Meniscocephalus gen. n. *Encyrtidae*, *eximius* sp. n. Queensland, PERKINS (249) Honolulu Exp. Stat. Bull. **1**.

Metapelma mirabilis sp. n. Cape Colony, BRUES (103–112) Milwaukee Bull. Wis. Nat. Hist. Soc. **4**, sp. n.

Microterys coeruleus Queensland, BINGHAM (127) London Trans. ent. Soc. 1906, sp. n.

Neochalcis? forticaudis sp. n. Quetta, CAMERON (96) Bombay J. Nat. Hist. Soc. **17**.

Neocladia gen. n. *Encyrtidae*, *howardi* sp. n. Queensland, PERKINS (251) Honolulu Exp. Stat. Bull. **1**.

Heterandrium subalatum sp. n. Kamerun, MAYR Entomol. Ztg. Wien **25** (177).

Oncochalcis quettaensis (94), *rufescens* (95), spp. n., Quetta, CAMERON Bombay J. Nat. Hist. Soc. **17**.

Ootetrastichus beatus sp. n. Queensland, PERKINS (263) Honolulu Exp. Stat. Bull. **1**.

Paraphelinus gen. n. *Aphelininae*, *xiphidii* sp. n. Hawaii, PERKINS (264) T.c.

Parasaphodes nom. n. für *Parasaphes* Ashm., SCHULZ (146) Spolia hymenopt.

Philotruesis pilosa Java and Tongking (174), *unispinosa* Insel Norsø Kembangan bei Java (175), *longicaudata* Tongking (176), spp. n., MAYR Entomol. Ztg. Wien **25**.

(N-9720 j)

Physothorax serratus sp. n. Südbra-silien, MAYR T.c. (185).

Pleistodontes froggatti sp. n. Neu-süd-wales, MAYR T.c. (157).—*P. imperialis* Frogg. and *Idarnes australis* Frogg. = ♂ and ♀ of *Sycoryctes australis* (Frogg.), MAYR (170) T.c.

Polistomorpha nitidiventris Obidos, DUCKE (163) Paris Bull. Soc. ent. **1906**, sp. n.

Prospalta berlessei Brit. Columbia on *Diaspis*, HOWARD (391) Redia **3**, sp. n., also (292) Ent. News **17**.

Pterygogramma gen. n. *Trichogram-midae*, *acuminata* sp. n. Queensland, PERKINS (265) Honolulu Exp. Stat. Bull. **1**.

Rhipipallus affinis Queensland, BINGHAM London Trans. ent. soc. 1906, sp. n.

Saronotum gen. n. *Encyrtidae* (259), *australiae* Queensland, *americanum* Ohio, (260), spp. n., PERKINS Honolulu Exp. Stat. Bull. **1**.

Schizaspidia doddi Queensland from *Camponotus*, BINGHAM (130) London Trans. ent. Soc., sp. n.

Secundeisenia nom. n. für *Eisenia* Ashm., SCHULZ (146) Spolia hymenopt.

Stomatoceras fasciatipennis Queens-land, BINGHAM (128) London Trans. ent. soc. 1906, sp. n.

Sycophaga spinatarsus Java, *vicina* Kamerun, (163), spp. n., MAYR Entomol. Ztg. Wien **25**.

Sycophila globiceps (184), *brasiliensis* (185), Südbra-silien, spp. n., MAYR T.c.

Sycoryctes tibialis, *excellens*, Timor, (166), *sjöstedti* Kamerun (167), *subtilis* Insel Norsø Kembangan bei Java (169), spp. n., MAYR T.c.

Syntomaspis pubescens, Lebensweise; MOKRZECKI Zs. wiss. Insektenbiol. **2** 1906 (390–392).

Tomocera ceroplastis China, PERKINS (76) Honolulu Proc. Hawai. ent. Soc. **1**, sp. n.

Torymus nigricornis, *Oenocytes*, WEISSENBERG Zool. Jahrb. Abt. f. Anat. **23** (231–268) 1 Taf.

Trichogramma pretiosa var. n. *nigra* (82), heredity (81), GIRAULT Canad. Entomol. **38**; Oviposition, GIRAULT Psyche **13** (137-148).

(*Coclocyba viridilineata* N. S. Wales, FROGGATT, Agric. Gaz. Sydney, N.S.W., **16**, (233 fig.) sp. n.)

(*Megastigmus brachychitoni* N. S. Wales, FROGGATT, T.c. (233) fig. sp. n.)

PROCTOTRYPIDAE (incl. Mymaridae and Bethyliidae).

Proctotrypid hosts and parasites; PERKINS Honolulu exp. Stat. Bull. **1** (xxi-xxiv).

Recherches sur la biologie et le développement des Hyménoptères parasites. Les Platygasteres. MARCHAL, Arch. zool. Paris **4** 1906 (485-640) pl. x.

Aclista nevadensis sp. n. N. America, KIEFFER (277) Berliner ent. Zs. **50**.

Allepyris microneurus, *nigricrus*, France, (417), *ruficrus* Italy (418), KIEFFER Hym. Eur. Alg. **9**, spp. n.

Anagrus atomos natural history, PIERRE (117-119) Rev. Sci. Bourbon 1906.

Aniseopyris gen. n. *Bethylikes* (137), *aeneus* (138), *fasciipennis*, Nicaragua, *punctaticeps* Nevada, (27), *sublevis* Nicaragua (28), spp. n., KIEFFER Bruxelles Ann. Soc. scient. **30**.—*Aniseopyris* gen. n., *aeneus* Kieff., etc.; KIEFFER (240) Berliner ent. Zs. **50**.

Anisobrachium incertum Italy, KIEFFER (295) Hym. Eur. Alg. **9**, sp. n.

Anteon uncarinatus (512), *tricarinatus*, *fuscicollis*, (513), *claricollis* (514), *longitarsis* (516), *brevifilis*, *curvatus*, (517), *longifilis* (518), *halidayi* (520), Britain, KIEFFER Hym. Eur. Alg. **9**, spp. n.—*A. bakeri* (239), *rugosiceps* (238), N. America, spp. n., KIEFFER Berliner ent. Zs. **50**.

Aphelopus leucopus Nicaragua sp. n., KIEFFER T.c. (239).

Arsepyris bifoveatus (339), *merceti*, Spain, *pedestris* Corfu, (340), KIEFFER Hym Eur. Alg. **9**, spp. n.

Atritomus californicus San Mateo, sp. n., KIEFFER (256) Berliner ent. Zs. **50**.

Bakeria complanata sp. n., Nicaragua KIEFFER T.c. (50).

Belyta nigripes Claremont, *rufipes* Nicaragua, spp. n., KIEFFER (280) T.c.

Bethylus prolongatus Prov., KIEFFER (255) T.c.

Bocchus flavipes Nevada sp. n., KIEFFER (237) T.c.

Bradepyrus apterus Tunis (374), *inermis* Casablanca (375), KIEFFER Hym. Eur. Alg. **9**, spp. n.

Caloteleia bidentata (16), *subdentata* (17), Nouvelle Guinée, KIEFFER Genova Ann. Mus. **42**, spp. n.

†*Calyzoa ramosa* Zanzibar copal, MEUNIER (59) Rev. Sci. Bourbon 1906, sp. n.

Cephalonomia giraudi (454), *mycetophila* (455), France, *brevipennis* England (458), *rufa* France (460), *negrescens* Pyrenees (461); KIEFFER Hym. Eur. Alg. **9**, spp. n.

Ceraphron glabricornis, *nevadensis*, Nevada, spp. n., KIEFFER (260) Berliner ent. Zs. **50**.—*C. brevicornis*, *quissetensis*, N. America, BRUES (143-152) Milwaukee Bul. Wis. Nat. Hist. Soc. **4**, spp. n.

Chlorodryinus pseudophanes sp. n. Brisbane, PERKINS (492) Honolulu Exp. Stat. Bull. **1**.

Cinetus radiatus Nouvelle Guinée, KIEFFER (23) Genova Ann. Mus. **42**, sp. n.

Clinopria gen. n. *Diapriinae*, *fusca* sp. n. Sumatra, KIEFFER (30) T.c.

Diapria modiglianii Sumatra, KIEFFER (31) T.c., sp. n.—*D. bifoveata*, *clarimontis*, (287), *crassiclava*, *melanocera*, *montana*, *nevadensis*, (288), spp. n., N. America, KIEFFER Berliner ent. Zs. **50**.

Diapriines: tableau des genres, KIEFFER (33-39) Genova Ann. Mus. **42**.

Disogmus diversicornis (271), *glabratus* (273), *pubescens* (272), spp. n., N. America, KIEFFER Berliner ent. Zs. **50**.

Dissomphalus bifoveatus Nicaragua sp. n., KIEFFER (250) T.c.

Dryinus auctt.; confusion, PERKINS (491) Honolulu exp. Stat. Bull. **1**.—*D. cariniceps* sp. n. Cape Colony, CAMERON

Zs. Hymenopter. (158).—*D. trifasciatus* India, KIEFFER (335) Zs. Hymenopter. 6, sp. n.—*D. acuticollis* Nicaragua, KIEFFER (9) Genova Ann. Mus. 42, sp. n.

Epigonatopus fallax sp. n. New South Wales, PERKINS (490) Honolulu Exp. Stat. Bull. 1.

Epyris fuscipalpis Roumania (315), *tibialis* Algeria (316), *crassicornis*, *transversus*, Hungary, (317), *quinque-rarinatus* Algeria (320), *insulanus* Balearic islands (321), *arcuatus* (322), *marshalli* (323), Arles, *erythrocerus* Sarepta (325), *evanescens* Serbia (327), *macromma* Hungary (328), *inermis* Greece (329), *longicollis* Spain (330), *gaulei* (331), *multidentatus* (333), France, *bipartitus* Corfu (334), *brevipennis* France, *tardus* Russia, (336); KIEFFER Hym. Eur. Alg. 9, spp. n.—*E. rugicollis* sp. n. Quetta, CAMERON (288) Bombay J. Nat. Hist. Soc. 17.—*E. albipalpis* Nicaragua (244), *clarimontis* Claremont (243), *dodecatomus* Nicaragua (242), *erigoni* Claremont (245), *indivisus* Claremont (243), *longicollis* California (244), *nudicornis* Nevada (245), spp. n., KIEFFER Berliner ent. Zs. 50.—*E. secundus* nom. n., BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. 4.

Erallonyx crenaticornis (274), *dentaticornis* (275), *fallacicornis* (274), N. America, spp. n., KIEFFER Berliner ent. Zs. 50.

Galesus leviceps Sumatra, KIEFFER (32) Genova Ann. Mus. 42, sp. n.—*G. autumnalis* sp. n. N. America, BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. 4.—*G. clarimontis*, *microtomus* spp. n., N. America, KIEFFER Berliner ent. Zs. 50.

Glenosema nigra France, KIEFFER (432) Hym. Eur. Alg. 9, sp. n.

Gonatopus bifarius Corsica (502), *horvathi* Hungary (503), *dichromus* Corsica (505), *ortholabis* Ucciani (506), *gracilipes* Hungary (508), *distinctus* England (509); KIEFFER Hym. Eur. Alg. 9, spp. n.—*G. maurus* India, KIEFFER (336) Zs. Hymenopter. 6, sp. n.—*G. koebeli* sp. n. Paramatta, PERKINS (489) Honolulu Exp. Stat. Bull. 1.—*G. cyphonotus* Brit. Columbia, BRADLEY (380) Canad. Entomol. 38, sp. n.—*G. pilosipes*, *capensis*, *caripes*, *similis*, Cape Colony, BRUES Milwaukee Bull.

(N-9720 j)

Wis. Nat. Hist. Soc. 4 (103–112), spp. n.

Goniozus clarimontis Claremont (253), *macrophthalma* Mexico, *occipitalis* Nevada, (254), spp. n., KIEFFER Berliner ent. Zs. 50.—*G. carinatus* Nicaragua, KIEFFER (10), with var. *castaneus* (11), Genova Ann. Mus. 42, sp. n.

Gynochelys gen. n., *braunsi* sp. n. Cape Colony, BRUES (103–112) Milwaukee Bull. Wis. Nat. Hist. Soc. 4.

Habropelte leviceps Nevada, *nigerimus* California, spp. n., KIEFFER (257) Berliner ent. Zs. 50.

Habroteleia gen. n. *Scelioninae* (14), *flavipes* sp. n. Sumatra (15), KIEFFER Genova Ann. Mus. 42.

Haplogonatopus vitiensis Fiji (488), *brevicornis* Queensland (489), PERKINS Honolulu Exp. Stat. Bull. 1, spp. n.

Helorus striolatus sp. n. Quetta, CAMERON (98) Bombay J. Nat. Hist. Soc. 17.

Heteropria gen. n. *Diapriinae* (23), *compressipes* sp. n. Uruguay (24), KIEFFER Genova Ann. Mus. 42.

Hexapria gen. n. *Diapriinae*, *fuscolavata* sp. n. Nicaragua, KIEFFER (27) T.c.

Holopyris numidicus, *ruficornis*, Algeria, (342), *pedestris* Italy (343), *cursor* Algeria (344), *rusticollis* Egypt (345), *erythroderes* Corsica (346), *crenulatus* Italy (348), *lineatus* (350), *punctaticollis* (351), Spain, *breviscutellatus* France, *tibialis* Spain, (352), *rufitarsis* Sardinia (353), *levicollis* Tunis (356), *fasciipennis* Corfu (357), *orientalis* Greece (358), *angusticollis* Oran (359), *fuscipennis* Tunis (360), *nigerrimus* Spain (362), *maculipennis* Corsica, *inermis* Italy, (364), *tricarinatus* Spain (365), *opacus* Tangier (366), *numidianus* Algeria, *neglectus* Hungary, (368); KIEFFER Hym. Eur. Alg. 9, spp. n.—*H. bakeri* (247), *flavicornis* (248), spp. n., Nicaragua, KIEFFER Berliner ent. Zs. 50.

Homoglenus punctatus Oran, KIEFFER (372) Hym. Eur. Alg. 9, sp. n.

Homopterophagus dorsattensis Dale, KIRKALDY (14) Entomologist London 29.

Hoplogryon crassicornis (262), *tenuicornis* (263), spp. n., N. America KIEFFER, Berliner ent. Zs. 50.

Hoplopria leviceps sp. n. Nicaragua, KIEFFER (284) T.c.

Hoplateleia erythrothorax Nicaragua, KIEFFER (19) Genova Ann. Mus. 42, sp. n.—*H. erythrothorax* (267), *mandibularis* (266), *rugosiceps*, *similis* (267), spp. n., Nicaragua, KIEFFER Berliner ent. Zs. 50.

Inostemma piricola, England, France, Germany, KIEFFER (123) Bruxelles Ann. Soc. scient. 30, sp. n.

Ismarus nevadensis sp. n. N. America, KIEFFER (276) Berliner ent. Zs. 50.

Labeo albitarsis Nevada sp. n., KIEFFER (239) T.c.—*L. typhlocybae* Ashm., PERKINS (492) Honolulu Exp. Stat. Bull. 1.

Laelius bipartitus (419), *tibialis* (420), France, *fulvipes* Italy, *perrisi* France, (421), KIEFFER Hym. Eur. Alg. 9, spp. n.

Lagnyodes = (*Hadroceras* Först. = *Triognus* Marsh.) (148), *nitidiceps* (154), *crassicornis*, *occipitalis*, *thoracicus*, (155), Italy, *niger* Bitché (156), KIEFFER Bruxelles Ann. Soc. scient. 30, spp. n.

Leptorhaptus brevinervis Nicaragua (282), *longinervis* Claremont (280), spp. n., KIEFFER Berliner ent. Zs. 50.

Loxotropa villosicornis sp. n., Nevada, KIEFFER (286) T.c.

Macroteleia kiefferi nom. n., BRUES (143-152) Milwaukee Bul. Wis. Nat. Hist. Soc. 4.—*M. pubescens* Nicaragua (17), *nigriceps* Paraguay (18), KIEFFER Genova Ann. Mus. 42, spp. n.—*M. rufipes* sp. n. Nicaragua, KIEFFER (264) Berliner ent. Zs. 50.

Megaspilus bacilliger (258), *inermis*, *integriceps*, *nevadensis*, (259), *nigripes* (258), spp. n., N. America, KIEFFER T.c.

Mercetia gen. n. type *Dryinus longicollis*, KIEFFER (495) Hym. Eur. Alg. 9.

Mesitius integer Greece (388), *horvathi* Hungary (389), *ruficollis* Pyrenees (390), *micropterus* Asia Minor (391), *cursor* Escorial (392), *levicollis* Sicily (393), *pyrenaicus* France, *nigriceps* Sicily, (394), *cursor* Spain (395), *micromma* Morocco (396), *erythrothorax* Marsh. Sardinia (398), *hemipterus* Corfu, *minimus* Cyprus, (400), *africanus* Casablanca (401), *cameroni* Gibraltar (402), *nitidus*

Tunis (405), *parvulus* Sicily (407), *fuscicornis* (408), *hungaricus* (409), Hungary, *punctatus* Algeria (410); KIEFFER T.c., spp. n.

Mesodryinus gen. n. type *Dryinus niger*, KIEFFER (497) T.c.

Miota flavicornis sp. n. N. America, KIEFFER (281) Berliner ent. Zs. 50.

Mystrocnemis capensis sp. n. Cape Colony, BRUES (103-112) Milwaukee Bull. Wis. Nat. Hist. Soc. 4.

Neochelogyne iguotus sp. n. Sydney, PERKINS (493) Honolulu Exp. Stat. Bull. 1.

Neogonatopus vitiensis sp. n. Suva, PERKINS (490) T.c.

Odontopria gen. n. *Diapriinae* (24), *temporalis* Sumatra (25), *cornuta* Iles Mentawai (26), KIEFFER Genova Ann. Mus. 42.

Odontoscelio gen. n. *Scelioninae* (13), *striatifrons* sp. n. Afrique occ. (14), KIEFFER T.c.

Oxylabis californica sp. n. San Mateo, KIEFFER (279) Berliner ent. Zs. 50.

†*Pantoclis deperdita* Colorado, BRUES (497) New York N.Y. Bull. Amer. Mus. 22, sp. n.

Pantoclis dubiosa N. America, *rufipes* Nicaragua, spp. n., KIEFFER (278) Berliner ent. Zs. 50.—*P. nicaraguana* nom. n. BRUES (143-152) Milwaukee Bull. Wis. Nat. Hist. Soc. 4.

Paramesius pleuralis Sumatra, KIEFFER (28) Genova Ann. Mus. 42, sp. n.

Parascleroderma rugosulum Gibraltar, *fulvipes* Sicily, *nigriceps* Italy, KIEFFER (427) Hym. Eur. Alg. 9, spp. n.—*P. leviceps* Nicaragua sp. n., KIEFFER (255) Berliner ent. Zs. 50 and Genova Ann. Mus. 42 (11).

Pentacantha rufitarsis sp. n. California, KIEFFER (263) T.c.

Pentapria puncticeps sp. n. Nicaragua, KIEFFER (289) T.c.

Plastodryinus gen. n. type *Dryinus szepligetii*, KIEFFER (496) Hym. Eur. Alg. 9.

Plastomicrops gen. n. *Ceraphronides*, *acuticornis* sp. n. Italy, KIEFFER (145) Bruxelles Ann. Soc. Scient. 30.

Platyceraphron gen. n. *Ceraphronides*, *muscidarum* (141), *corticis* (142), spp. n., France on *Lonchaea*, KIEFFER T.c.

Platygaster lineatus (125), *ornatus* (127), *marchali* (129), *persicariæ* (130), *longicaudatus* (on *Mayetiola destructor*) (131), *brevicaudatus* (133), France, KIEFFER T.c., spp. n.

Platyscelio gen. n. *Scelioninae* (11), *pulchricornis* sp. n. Nouvelle Guinée (13), KIEFFER Genova Ann. Mus. 42.

Pristocera damascena Syria, KIEFFER (293) Hym. Eur. Alg. 9, sp. n.—*P. heinii* S. Arabia (115), *ayriaca* Syria (116), KOHL Hym. Südarab., spp. n.—*P. hyalina* sp. n. N. America, BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. 4.

Pristomicrops gen. n. *Ceraphronides*, *clavatus* sp. n. Italy, KIEFFER (146) Bruxelles Ann. Soc. scient. 30.

Proctotrypes nevadensis sp. n. N. America, KIEFFER (275) Berliner ent. Zs. 50.

Prodryinus gen. n. type *Dryinus brachycerus*, KIEFFER (497) Hym. Eur. Alg. 9.

Prosacantha flabellata France, KIEFFER (162) Bruxelles Ann. Soc. scient. 30, sp. n.

Proscutleon melanostigmus sp. n. New South Wales, PERKINS (493) Honolulu Exp. Stat. Bull. 1.

Proscleroderma punctatum Syria, KIEFFER (430) Hym. Eur. Alg. 9, sp. n.

Pseudisobrachiium cantianum England, CHITTY (148) Ent. Mag. London 42, sp. n.—*P. carpentieri* France (301), *pubescens* Greece, *concolor* Hungary, (305), KIEFFER Hym. Eur. Alg. 9, spp. n.—*P. testaceipes* Nicaragua sp. n., KIEFFER (240) Berliner ent. Zs. 50.

Pseudogonatopus melanacrias, kiefferi Fiji, PERKINS (487) Honolulu Exp. Stat. Bull. 1, spp. n.

Psilobethylus gen. n. (461), *luteus* sp. n. Italy (463), KIEFFER Hym. Eur. Alg. 9.

Psilopria gen. n. *Diapriinae*, *rufitarsis* sp. n. Nouvelle Guinée, KIEFFER (29) Genova Ann. Mus. 42.

Rhabdepyris fasciatus Scotland (377), *reitteri* Bosnia (378), *fuscipes* Italy (379), *hemipterus* France (380), *proximus* (381), *fascipennis*, Spain, *pallidipennis*

Hungary, (382), KIEFFER Hym. Eur. Alg. 9, spp. n.—*R. quinquelineatus* (249), *septemlineatus* (250), *subaeneus* (248), spp. n., Nicaragua, KIEFFER Berliner ent. Zs. 50.

Scelio pulchripennis, nitens, Cape Colony, BRUES (103–112) Milwaukee Bull. Wis. Nat. Hist. Soc. 4, spp. n.—*S. flavicoxis* Sumatra (21), *fuscicoxis* Nicaragua (22), KIEFFER Genova Ann. Mus. 42, spp. n.—*S. albipennis* Nevada (270), *guatemalensis* Champerico, *rufonotatus* Cuba, (269), *tripartitus* Nicaragua, (270), spp. n., KIEFFER Berliner ent. Zs. 50.—*S. monticola* Kansas (184), *striaticollis* Texas (222), *venata* Arizona (228), BRUES in Viereck Philadelphia Trans. Amer. Ent. Soc. 32.

Scleroderma brevicorne Sicily, KIEFFER (447) Hym. Eur. Alg. 9, sp. n.

Sparasion emarginatum Italy (168), *trilaminatum* Spain, *rugosulum* Hungary, (169), *aeneum* Illyria, *spinosipes* Spain, (170), *subleve* (171), *punctatissimum*, Illyria, *nigripes* Italy, (172), *bicoronatum* Sardinia (173), *flavipes* Italy (174), *obtusifrons* Carniola (175), *dorsale* (176), *punctulatum* (177), Hungary, *vicinum* Italy (178), KIEFFER Bruxelles Ann. Soc. scient. 30, spp. n.—*S. albo-pilosellus* sp. n. Quetta, CAMERON (98) Bombay J. Nat. Hist. Soc., 17.—*S. coeruleum* Sumatra, KIEFFER (20) Genova Ann. Mus. 42, sp. n.—*S. graenicheri* sp. n. N. America, BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. 4.

Synopeas rhanis Walk., KIEFFER (134) Bruxelles Ann. Soc. scient. 30.

Teleas striatus France, KIEFFER (161) T.c., sp. n.

Telenomus giraudi Europe (163), *perrisi* France (164), KIEFFER T.c., spp. n.—*T. quaintancei* (63), *perplexus* (65), spp. n., N. America, GIRAULT Psyche 13.—*T. heracleicola* sp. n. N. America, BRUES (143–152) Milwaukee Bull. Wis. Nat. Hist. Soc. 4.—*T. bakeri*, *pentatomus*, *tetratomus*, N. America, spp. n., KIEFFER (261) Berliner ent. Zs. 50.—*T. solarii* Nicaragua, KIEFFER (22) Genova Ann. Mus. 42, sp. n.

Trachepyrus spinosipes (413), *biscrensis* (414), Algeria, KIEFFER Hym. Eur. Alg. 9, spp. n.

Trichacis remulus Walk., KIEFFER (135) Bruxelles Ann. Soc. scient. 30.

Triglenus gen. n., *numidus* sp. n. Algeria, MARSHALL (372) Hym. Eur. Alg. 9.

Trimicrops gen. n. *Ceraphronides*, *claviger* sp. n. Italy, KIEFFER (142) Bruxelles Ann. Soc. Scient. 30.

Trissolcus rufitarsis Nevada sp. n., KIEFFER (262) Berliner ent. Zs. 50.

Trissomalus transvaalensis Dub. re-described, CAMERON Trans. S. Afric. Phil. Soc. 16 (332).

Triteleia gen. n. near *Macroteleia*, (264), *puncticeps* sp. n. Nicaragua (265), KIEFFER Berliner ent. Zs. 50.

Tropidopria unifoveata sp. n. ? N. America, KIEFFER (286) T.c.—*T. rufa* Nicaragua, KIEFFER (31) Genova Ann. Mus. 42, sp. n.

Tropidopsia loriai Nouvelle Guinée, KIEFFER (32) T.c., sp. n.

Zelotypa filicornis sp. n. California, KIEFFER (279) Berliner ent. Zs. 50.

(*Anagrus hydrophilus* Russian Turkestan. ASHMEAD, Ent. News. 16 1905 (213–214), sp. n.)

(*Polynema bergi* Russian Turkestan. ASHMEAD, Ent. News 16 1905 (213–214), sp. n.)

(†Meunier, Fernand. Sur deux *Myrmaridae* de l'ambre de la Baltique. Misc. ent., 13, 1905, (1–4, av. fig.)

CYNIPIDAE.

Monograph of the gall-producing *Cynipidae* in Denmark, with a description of their galls (Danish); JØRGENSEN Kjöbenhavn Ent. Medd. 3 (85–112), pl.

The pedunculated eggs; BUGNION, 2 and 3.

Aulax hieracii = (*graminis* Cam.), MAYR (74) Marcellia 5.—*A. hypochoeridis* Kieff. = (*Phanacis seriola* De Stef. Perez), DESTEFANI PEREZ (130) Marcellia 5.

Balina brasiliensis Sao Paulo, KIEFFER (107) Marcellia 5, sp. n.

Biorrhiza australiensis N. S. Wales, KIEFFER (104) T.c., sp. n.

Cothonaspis konowi sp. n. KIEFFER, Zs. Hymenopter. 6 (114).

Cynips trinacriae Sicily, DE STEFANI PEREZ Marcellia 5 (127), sp. n.

Dryophanta australiensis N. S. Wales, KIEFFER (105) Marcellia 5, sp. n.—*D. nauai* Ashm., metamorphosis, (Japanese); NAWA Konch. Sek. Gifu 10 1906 (8–10).

Eucoela indica Java, KIEFFER (108) Marcellia 5, sp. n.

Ganaspis indicus, *longicornis*, Java, KIEFFER (109) T.c., sp. n.

Kleditoma indica Java, KIEFFER (110) T.c., sp. n.

Onychia rufithorax sp. n. Quetta, CAMERON (90) Bombay J. Nat. Hist. Soc 17.

Parandricus gen. n. (102), *mairei* sp. n. China (103), KIEFFER Marcellia 5.

Rhodites rubicola hab. ?, KIEFFER (106) T.c., sp. n.

Timaspis lusitanicus Lousa, TAVARES (301) Broteria 3, sp. n.

(*Timaspis papaveris*, GOURY & GUIGNON, Feuille jeunes natural. 35, sp. n.)

PSEUDOSIRICIDAE.

†*Pseudosiricidae* fam. n. for *Pseudosirex* Weyenb., HANDLIRSCH (573) Fossil. Ins.

†*Pseudosirex deichmulleri* (575), *separatus* (576), *nanus* (577), Kalk Bayern, HANDLIRSCH T.c., spp. n.

ORYSSIDAE.

Oryssus trifasciatus sp. n. New-Guinea, CAMERON Nova Guinea Leide 5 Livr. 1 (41).

†*Lithoryssus* gen. n. (492), *parvus* sp. n. Florissant (493), BRUES New York N.Y. Bull. Amer. Mus. 22.

CEPHIDAE.

Pachycephus aeneovarius, *konowii*, Asia minor, KOHL (221) Wien Ann. Nat. Hist. Hofmus. 20, spp. n.

Peronistilus gen. n. for part of *Cephus*, GHIGI (26) Annuario Mus. Napoli 1 No. 21.—*P. politissimus* pl. viii No. 34, Id. T.c.

TENTHREDINIDAE, XYELIDAE.

A study of the wings of the Tenthredinoidea, MACGILLIVRAY Washington D.C. Smithsonian Inst. U. S. Nation

Mus. Proc. **29** 1906 (569-654) with text fig., pl.

The mouth-parts of *Tenthredinidae*; VAN DINE (19-22) pl. i Honolulu Proc. Hawai. ent. Soc. **1**.

Revision of *Chalastogastra* continued, *Cimbex* to *Abia*, KONOW Zs. Hymenopter. **6** (193-208 etc.) also with separate pagination.

Notes on *Tenthredinidae*, described by Costa, GIUGI Annuario Mus. Napoli **1** No. 34.

Synonymical and critical notes on Italian *Tenthredinidae*, GIUGI Annuario Mus. Napoli **1** No. 21 (1-26).

Biologie der Blattwespen (*Chalastogastra*), JÖRGENSEN, Zs. wiss. Insektenbiol. Husum **2** 1906 (347-351).

KONOW, Fr[iedr.] W[ilh.]. Berichtigung [zu Wytsman Gen. Ins. Tenthred.]. Zs. Hymenopter. Teschendorf **6** 1906 (388).

Parthenogenesis (Holländisch); ROSUM, 's Gravenhage Tijdschr. Ent. **49** (Ixi-Ixix).

Acorduleceros cestatus, *thoracalis*, (337), *illotus*, *spathulatus*, (338), *calceolatus* (339), *lituratus*, *stigmaticus*, (340), *regalis*, *rudis*, (341), *russatus*, *bigrammatus*, (342), Brazil, *ricatus* Peru, *inglorius* Bolivia, (343), *cervicatus*, *tegularis*, (344), *pallidus*, Brazil, *schrottkyi* Paraguay, (345), KONOW Zs. Hymenopter. **6**, spp. n.

Allantus asperatus sp. n. Sikkim, KONOW (125) T.c.

Amasis citrina = (*moricei* Kon.) KONOW (321) T.c.

Amauronematus; table of British MORICE (134-136) Ent. Mag. London **42**.

Arge siluncula Tonkin, *acliviceps* China mer., KONOW (255) Zs. Hymenopter. **6**, spp. n.—*A. inops*, Texas, KONOW (181) T.c., sp. n.—*A. pyrenaica* = (*modesta* Kon.) KONOW (328) T.c.

Athlophorus orbitalis Sumatra, KONOW (330) T.c., sp. n.

Bathylepta gen. n. *Argidum*, *procer* sp. n. Khasia hills, KONOW (123) T.c.

Blennocampa roberti-buyssoni nom. n. für *brevicornis* Buyss., SCHULZ (80) Spolia hym.—*B. brevicornis* Buyss. to *Somostethus*, KONOW (321) Zs. Hymenopter. **6**.

Brachyphatnus gen. n. (250) *Schizocerides*, *nigriceps* Texas, *debilicornis*, (251), *jenseni* (252), Argentina, spp. n., KONOW T.c.

Braunsiola duckei Brazil, KONOW (181) T.c., sp. n.

Cladius tibialatus Tangier, KONOW (256) Zs. Hymenopter. **6**, sp. n.

Croesus and *Holcocneme*; British species, MORICE (79) Ent. Mag. London **42**.—*C. varus* and *latipes*, influence of food, VAN ROSSUM (141-147) Ent. Ber. Nederland. **2**.

Cryptocampus angustus larval habits, NIELSEN Zs. wiss. Insektenbiol. **2** (44-47).

Decameria altilis Surinam (371), *florida*, *leucophaea*, Peru, (372), *sandaracata* Brazil (373), KONOW Zs. Hymenopter. **6**, spp. n.

†*Dineura saxorum* sp. n. Florissant, COCKERELL (498) New York N.Y. Bull. Amer. Mus. Nat. Hist. **22**.

Dolerus cookei California, CLARKE (351) Canad. Entomol. **38**, sp. n.

Dosytheus kashmirensis sp. n. Kashmir, CAMERON (290) Bombay J. Nat. Hist. Soc. **17**.

Emphytus perla ♀ = (*Phylloecus eburneus* André, Forsius (137) Helsingfors Medd. Soc. Fauna Fl. Fenn. **32**.

Eriocampa adumbrata, larval habits, MOLZ Jahresber. Ver. angew. Bot. **3** (65-75).

†*Eriocampa wheeleri* sp. n. Florissant, COCKERELL (500) New York N.Y. Bull. Amer. Mus. Nat. Hist. **22**.

Gymnia transtillata Peru (191), *blanda* Brazil, *alterna*, *perata*, (241), *galumnata* Brazil, *amictoriana* Peru, (242), *cultricornis* Bolivia (243), KONOW Zs. Hymenopter. **6**, spp. n.

†*Hemichroa eophila* sp. n. Florissant, COCKERELL (501) New York Bull. Amer. Mus. **22**.

Hemidianeura fucata (189), *illisa* (190), Brazil, *tenebrica* (191) Surinam, KONOW Zs. Hymenopter. **6**, spp. n.

Hylotoma and *Arge*, synonymical and varietal notes, KONOW (322-328, 386, 387) T.c.

Hyperoceros gen. n. *Pterygophorides*, (369), *peruanus* sp. n. Marcapata (370), KONOW T.c.

Labidarge pictipes Guatemala (177), *forficulata*, *nigripes*, (178), *suda*, *galumnata*, *nigricollis*, (179), *strophosa*, *inculta*, (180), S. America, **spp. n.**; *torquata* var. n. *schrottkyi* (181); KONOW T.c.

Loboceros trinitatus (346), *binotatus* (368), Brazil, KONOW T.c., **spp. n.**

Lophyrus gaullei **sp. n.** Algeria, KONOW (123) T.c.—*L. similis* Htg., BAUER Natw. Zs. Landw. Stuttgart 4 1906 (84–92).

Lyda pratensis, SCHOLZ Aus. d. Heimat Stuttgart 19 (72–73).

Lygaeonematus, table of British MORICE (249–251) Ent. Mag. London 42.

Macrophya diversipes var. n. *passerini*, GHIGI Annuario Mus. Napoli 1 No. 21 (8 and 28).

Megalodontes decussatus Transcaspian, KONOW (254) Zs. Hymenopter. 6, **sp. n.**

Monophadnus rivalis Java, KONOW (329) T.c., **sp. n.**

Nematoneura mitellata Brazil, KONOW (186) T.c., **sp. n.**

Nematus; table of British; MORICE (82, 83) Ent. Mag. London 42.—*N. marginifer*, *stordalensis* **spp. n.**, Arktisch, STRAND (30) Rep. Norveg. Arctic exp. Fram No. 3.—*N. orientalis* **sp. n.** Quetta, CAMERON (90) Bombay J. Nat. Hist. Soc. 17.—*N. erichsoni* life-history, MACDOUGALL J. Board Agric. fish. London October 1906 (12) 1 pl.—*N. marlatti* **nom. n.** für *borealis* Marl., SCHULZ (80) Spolia. hymenopt.

Odontophyes ferruginea **sp. n.** Kansas, BRIDWELL (94) Ent. News 17.

Pachynematus; British tabulated, MORICE (206–210) Ent. Mag. London 42.

Paralypia lacertosa Brazil, KONOW (368) Zs. Hymenopter. 6, **sp. n.**

Periclista andrei Spain, KONOW (329) T.c., **sp. n.**

Philomastix Frogg., SCHULZ (81–84) Spolia hym.

Pontania; table of British, MORICE (80, 81) Ent. Mag. London 42.—Danish larvae and galls, JØRGENSEN Kjöbenhavn Ent. Medd. 3 (113–126) 1 pl.

Priophorus simplicicornis Cress. ♂ (305), *aequalis* Nort. ♂ (306), *solitarius* Dyar ♀ (307); *P. acericaulis* **sp. n.** Connecticut (306); MACGILLIVRAY Canad. Entomol. 38.—*P. acericaulis* injuring maple, natural history, BRITTON (313–321) pl. xiv Ent. News 17.

Pristiphora; table of British, MORICE (246–249) Ent. Mag. London 42.

Pseudoclavellaria **nom. n.** for *Clavellaria* Leach, SCHULZ (87) Spolia hym.

Ptenus Nort. redefined (182); *gaullei* Guiana (183), *prodigus* (184), *humerratus*, *segrex*, (185), Brazil; KONOW Zs. Hymenopter. 6.

Pteronius; table of British, MORICE (130–133) Ent. Mag. London 42.—*P. arapahonum* **sp. n.** Colorado, COCKERELL (220) Ent. News 17.

Rhadinoceraea nodicornis larva, KONOW (347) Zs. Hymenopter. 6.

Rhoggastera bituberculata **sp. n.** Kashmir, CAMERON (289) Bombay J. Nat. Hist. Soc. 17.

Sericoceros calanticatus, *ricatus*, (245), *bigrammatus*, *declivis*, (246), *mulsus*, Brazil, *mammeatus* Peru, (247), *procus*, *ruminatus*, (248), *coxalis*, *socius*, (249), *pauuxillus* (250), Brazil, KONOW Zs. Hymenopter. 6, **spp. n.**

Stelidarge duckei Brazil, KONOW (253) T.c., **sp. n.**

Stromboceros laevis = (*coeruleiceps* Cam.), *albarius* **nom. n.** for *phaleratus* Kon. 1903, KONOW (388) T.c.

Tanymeles **gen. n.** *Schizocerides*, *hilarulus* **sp. n.** Brazil, KONOW (244) T.c.

Tanyphatna **gen. n.** *Schizocerides*, *pellos* (187), *catinifera*, *exilipalpis*, (188), **spp. n.**, Brazil; KONOW T.c.—*T. mamillata* Bolivia, KONOW T.c., **sp. n.**

Tenthredo nimbat (126), *T. suta* (127), Sikkim, **spp. n.**; *T. finschi* Kirby (125); KONOW, T.c.—*T. umbonigera* Sumatra, KONOW (331) T.c., **sp. n.**

Trichiosoma nigricoma Solowetzki islds., *opaca* Siberia, **spp. n.**, KONOW (122) T.c.

Tristegus **gen. n.** *Perregides* (370), *mimarius* **sp. n.** Bolivia (371), KONOW T.c.

(*Selandria* (*Monophadnus*) *paviei* SAUSSURE, Mission Pavie 3, **sp. n.**)

LEPIDOPTERA.

SEITZ, Adalbert. Die Gross-Schmetterlinge der Erde. Eine systematische Bearbeitung der bis jetzt bekannten Grossschmetterlinge. Lfg. 1-2 1906 (1-20) mit 5 Taf.

Nomenclature of certain genera of Hübner; SEMPER D. ent. Zs. Iris **18** (242-244).

Copal-Schmetterlinge. EVERS Ent. Jahrb. Leipzig **16** 1907 (129-132).

Pigmentbildung bei den Schmetterlingen. SOLOWIOW Zs. wiss. Insektenbiol. Husum **2** 1906 (328-329).

Rhopalocera.

British butterflies, illustrated work; SOUTH.

Butterflies of Hongkong, illustrated work; KERSHAW.

Butterflies of Asama Mountain, habits of, (Japanese.) TAKANO, Takazō. Konch. Sek. Gifu **10** 1906 (16-19, 49-51).

CARY, Merritt. On the diurnal Lepidoptera of the Athabaska and Mackenzie region, British America. Washington D.C. Smithsonian Inst. U. S. Nation. Mus. Proc. **31** 1906 (425-457).

The butterflies of Montana, with keys for determination of species. A nature study bulletin, for the use of teachers, students and others who wish to study the butterflies. ELROD Missoula Univ. Mont. Bull. No. **30** (Biol. Ser., No. **10**) 1906 (xvi + 174 + 1 l.), with 13 pl. & 1 col. 125 fig.

The butterflies of the west coast of the United States; WRIGHT.

Rest-attitudes of *Rhop.*, vide p. 146.

Mimicry among butterflies from Victoria Nyanza, NEAVE (207-224) pls. ix-xii London Trans. ent. Soc. 1906.

Die ersten Stände einiger Tagfalter. (Eier- und Raupen-Beschreibungen.) GILLMER Insektenbörse Leipzig **23** 1906 (8, 11-12, 14-15, 19-20, 22-23, 26-27).—Zur Entwicklungsgeschichte einiger Tagfalter. GILLMER Ent. Zs. Guben **20** 1906 (130-131, 137-138).

Spermatogenesis *Papilio*; MUNSON Boston Mass. Proc. Soc. Nat. Hist. **33**.

PAPILIONIDAE.

Papilio; Nomenklaturfrage, STICHEL Ent. Zs. Guben **19** (189-190, 199-200).

Papilio: revision of American, with 8 spp. n. and many subsp. n., 70 figures: the synonymy and n. subsp. are not here recorded; ROTHSCHILD and JORDAN Nov. Zool. Tring **13** (411-752) pls. iv-ix.

P. homothoas Orinoco etc. (561) pl. v f. 13, *trapeza* Ecuador (669) pl. v f. 15, *oberthueri* Honduras (696) pl. vi f. 25, *molops* S. America (710) pl. ix figs. 60-62, *helios* Brazil (720) pl. vi f. 30, *stenodesmus* Paraguay (722) pl. ix f. 68, *caris* Ecuador (723) pl. vi f. 32, *callias* (= *columbus* Hew. nec Kollar) S. America (739); ROTHSCHILD and JORDAN Nov. Zool. Tring **13**, spp. n.—*P. uganda* Entebbe, LATHY (9) pl. ii f. 11 London Trans. ent. Soc. 1906, sp. n.—*P. phidias* Annam, OBERTHUR Paris Bull. soc. ent., **1906** (156), sp. n.—*P. caburi* Guiana KAYE (51) pl. ii f. 1 Entomologist London 1906, sp. n.—*P. aristolochiaeformosensis*, *bianor-formosanus*, (222), *polyctor-hermosanus* (223), subsp. n., REBEL Wien Verh. Zool.-bot. Ges. 1906.—*P. polydorus* subsp. n. *varus*, FRUHSTORFER Ent. Zs. Guben **20** (9-10).—*P. coloro* var. n., WRIGHT butterflies west coast U. S.—*P. rutulus* var. n. *arcticus* (379), SKINNER Ent. News **17**.—*P. dardanus trimeni* new form (283) pl. xix f. 1, mimicry (281-298) pls. xvii-xx, POULTON London Trans. ent. Soc. 1906.—*P. ajaz*, habits, ROWLEY Ent. News **17** (175-177).—*P. jordani*, FRUHSTORFER Ent. Zs. Guben **20** (65-66).—*P. machaon* var., LONITZ Gera Jahresber. Ges. Natw. **46-48** (1903-1905) (170-172); III Generation, HANNEMANN, Ent. Zs. Guben **20** 1906, (216); Bemerkung dazu v. A. Glöckner, op. cit. **20** 1907 (249-250); Parasitismus, FISCHER Ent. Zs. Guben **19** (186-187).—*P. podalirius* L. ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (485); *P. podalirius pallistriga* subsp. n., SCHÜLTZ (105-111) Nyt. Mag. Naturv. Kristiania **44**.

Parnassius balucha, Baluchistan, MOORE (47) Ann. Mag. Nat. Hist. ser. **7** **18**, sp. n.—*P. apollo*, SCHULTZ Ent. Zs. Guben **20** (117-118); *P. apollo* et ab. *pseudonomion*, A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (486-

487).—*P. citrinarius melanochoera* var. n., REBEL (225) Wien Verh. Zool.-bot. Ges. 1906.—*P. szechenyi* Friv. var. n. *germanae*, AUSTAUT Ent. Zs. Guben 20 (66-68).—*P.* var. n. California and British Columbia, WRIGHT butter. west coast U. S.—*P. phoebus sacerdos* n. n. (= *delius* Esp.), *ph. apricatus* n. subsp., *P. apollo melliculus* n. subsp., *a. pumilus* n. subsp., *P. mnemosyne athene* n. subsp., *P. jacquemontii rubicundus* n. subsp., *j. variabilis* n. subsp., *P. imperator venustus* n. subsp., STICHEL Berliner Ent. Zs. 51 (81-94) pl. ii.

Thais polyxena ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (485-486).

Troides (Ornithoptera) *obiana* Obi, REBEL (220) Wien Verh. Zool.-bot. Ges. 1906; sp. n.—*T. chimaera* Rothschild, pl. iii f. 1, JORDAN (759) Nov. Zool. Tring 13.

PIERIDAE.

Anthocharis var. n., *caliente* sp. n. California, WRIGHT butterfly. west coast U. S.

Aporia crataegi var. n. *koyi* ♀ Ungarn, A. AIGNER Rovart. L. 13 (69-75); early stages, FROHAWK (132-138) Entomologist 1906.

Appias ella, hab. Philippinen, = (*Catophaga ardens* Butl.); SEMPER (257) D. ent. Zs. Iris 18.

Catopsilia; habits, WICKWAR (216-218) Spolia zeylan. 3: GREEN T.C. (219).

Colias berylla (480) pl. xxxvi f. 18, *nina* not distinct; *C. dubia* sp. n. Tibet (481) figs. 8 and 9; ELWES London Proc. Zool. Soc. 1906.—*C. nepalensis* (24) pl. 559 figs. 2 a-g, *zaneka* (25) pl. 560 figs. 1 a-c, *chitralensis* sp. n. India (27), *zanekoides* (27) figs. 2 a-c, MOORE Lep. indica 7.—*C. edusa* et var. *helice*; *C. hyale* abb.; A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (487-488).—*C. hyale sareptensis* u. *C. erate sareptensis*, Unterscheidung, TSCHETVERIKOW Taschent Turk. Odt. Russ. Geogr. Obsch. 4 (30-36).—*C. myrmidone-balkanica-rebeli*, SCHAWERDA (651) Wien Verh. Zool.-bot. Ges. 1906.—*C. werdandi* (245) pl. viii figs. 3 and 4, ROWLAND-BROWN Entomologist 1906.

Dercas wallichii (29) pl. 561 figs. 1 a-d, *lycorias* (30) fig. 2, *doubledayi*

sp. n. India (31) pl. 562 figs. 1 a-e, MOORE Lep. indica 7.

Euchloë belia Cr. aberr. *philippsi* n. RUDOLPH Ent. Zs. Guben 20 (81); in Deutschland?, KOLBE Insektenbörse Leipzig 23 (167-168).—*E. cardamines*, Futterpflanzen LÖFFLER Ent. Zs. Guben 20 (85-86).

Gandaca gen. n. for pt. of *Terias*; *assamica* (33) pl. 563 figs. 1 and 2, *burmana* (34) figs. 3 a-c, *andamana* (35) figs. 4 a-c, spp. n., India; MOORE Lep. indica 7.

Gonopteryx rhamni ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (488).

Ixias baliensis, resemblance with *Huphina corva*, DIXEY (521-523) pl. xxxi London Trans. ent. Soc. 1906.

Kibretta gen. n. for part of *Terias*, *libythea* (36-38) pl. 564 figs. 1 a-g, *rubella* (38) figs. 2 a-g, MOORE Lep. indica 7.

Leptosia xiphia (20-22) pl. 559 figs. 1 a, b, *nicobarica* sp. prop. (22), Id. T.C.

Mylothris similis Centr. Africa, LATHY (6) pl. ii figs. 2 and 3 London Trans. ent. Soc. 1906, sp. n.

Nirmula gen. n. for part of *Terias*, *venata* (40) pl. 565 figs. 1 a-b, *rama* (42) figs. 3 a-d, *laeta* (44) pl. 566 figs. 1 a-i; *rama* (42) pl. 565 figs. a-d, *sikkima* (43) figs. 4 a b, *pseudolaeta* (44) pl. 566 figs. 1 j-m, spp. n., India; MOORE Lep. indica 7.

Nychitona; distastefulness, DIXEY (lxix-lxxi) London Proc. ent. Soc. 1906.

Pieris brassicae, wandernde, METZGER Prakt. Bl. Pflanzenbau 4 (126-127).—*P. daplidice* gen. vern. *bellidice*, ab., A. AIGNER, Ann. Hist.-Nat. Mus. Nat. Hung. 4 (487); early stages, FROHAWK (193-196) Entomologist 1906.—*P. pigea* ab. pl. ii f. 4, *liliana* ab. f. 5, LATHY London Trans. ent. Soc. 1906 (7).—*P. rapae* var. *leucosoma* ♀, BARTEL (225) Wien Verh. zool.-bot. Ges.

Tachyris galba (17-19) pl. 558 fig. 2 a-d, MOORE Lep. indica 7.

Teracolus castalis ab. pl. ii f. 6, *bacchus* gynandromorph figs. 7 and 8 (8), *eupompe* abb. figs. 9 and 10 (9); LATHY London Trans. ent. Soc. 1906.

Terias; east Indian spp. described and figured (47–64) plates 567–570; *aesiopeoides* (60) pl. 569 figs. 1 a–d, *dauidsoni* (63) pl. 570 figs. 1 a–g, **spp. n.**, India; MOORE Lep. indica 7.

DANAIDAE, ITHOMIIDAE, ACRAEIDAE,
HELICONIIDAE.

Müllerian resemblance among, *Ithomiinae* and *Heliconiidae*, KAYE (414–434) plates xxiii–xxvii London Trans. ent. Soc. 1906.

Acraea mirifica Angola pl. i f. 2, *acutipennis* Rhodesia f. 3, (2), *angolanus* Angola figs. 4 and 5 (3); LATHY London Trans. ent. Soc. 1906, **spp. n.**—*A. cerila* Uganda, SHARPE (75) Ann. Mag. Nat. Hist. Ser. 7 **18**, **sp. n.**—*A. aglaonice* pl. iv f. 4 (64–66), TRIMEN London Trans. ent. Soc. 1906.—*A. chaeribula*, etc., seasonal forms, NEAVE and MARSHALL (lxxxiv–lxxxv) London Proc. ent. Soc. 1906.—*A. johnstoni* mimicry (297–311) plates xxi and xxii, synonymy of varr.; POULTON London Trans. ent. Soc. 1906.—*A. egina*, larva, AURIVILLIUS (2) Uppsala Arkiv. Zool. 3 No. 1.

Chlosyne pantoni Jamaica, KAYE (52) pl. ii f. 6 Entomologist London 1906, **sp. n.**

Danaïs chrysippus Aralsco, TSCHE-
TVERIKOW Tashkent Izv. Turk. Otd.
Russ. Geogr. Obsč. 4 (30–36).

Euclides nigrofulva Guiana, KAYE (52) pl. ii figs. 4 and 5 Entomologist London 1906, **sp. n.**—*E. isabella brunnea* pl. v f. 25 (55), *ricini* f. 26 (56), *lampeto amoena* pl. vi f. 27, *edias edias* f. 28, (57), *pavans* f. 29 (58), *olympia* f. 30 (60), *heliconioides heliconioides* f. 31, *canes pluto*, f. 32 (61), STICHEL Gen. ins. **37**.

Euploea kuroivae **sp. n.** Okinawa, MATSUMURA Annot. Zool. Jap. 6 (9) pl. i f. 1.—*E. nagasena* **sp. n.** Batu Inseln, FRUHSTORFER (131) Ent. Zs. Guben 20.—*E. (Crastia) abjecta*, characters, habitat, SEMPER (248–250) D. ent. Zs. Iris **18**.

Heliconiinae; characters of the genera, and lists of species, STICHEL Gen. ins. **37**.

Heliconius numatus praelantus subsp. n. pl. i f. 2 (10), *silvana diffusa* f. 3 (11), *silvana mirificus* subsp. n. f. 3a (12), *schulzi* f. 4, *novatus subnubilus* subsp. n. f. 4a, (14), *hecale* f. 5 (15), *aristion arcuella* pl. ii f. 6 (16), *cydno broncus* subsp.

n. f. 6a (21), *cydnodiatrephe* f. 7 (22), *melpomene aglaope* f. 8 (25), *melpomene rissarthi* subsp. n. f. 8a (26), *melpomene richardi* f. 9 (27), *amaryllis euryades* pl. iii f. 10 (28), *choarivus* f. 11 (30), *aode bartletti* f. 12 (31), *xanthocles xanthocles* f. 13 (32), *burneyi huebneri* f. 14 (33), *doris luminosa* f. 15, *wallacei wallacei* pl. iv f. 15, (36), *sapho primularis* f. 17 (38), *antiochus antiochus* f. 18, *leucadia leucadia* f. 19, (39), *cyrbia cyrbia* f. 20 (42), *erato elimaca* f. 21 (45), *erato diva* subsp. n. pl. v f. 21a (47), *erato ottonis* f. 22 (48), *charitonia peruvianus* f. 23 (49), *telesiphe sotericus* f. 24 (50), STICHEL T.c.—*H. wernickei* (68), *eucherius* (70), **spp. n.**, Bogota, WEYMER D. ent. Zs. Iris **19** (68–71).—*H. silvana* var. n. *divisus* pl. ii f. 3, *tumatumari* **sp. n.** pl. ii f. 6, KAYE (53) Entomologist London 1906.

H. pasithoë fulvescens var. n. (452) pl. xxxiv f. 1, *H. xenoclea* varr. n. *superba* f. 2 and *confluens* f. 3, (453), LATHY London Proc. Zool. Soc. 1906.—*Heliconius erato estrella* f. n. *simplex*, RIFFARTH Insektenbörse **23** (56).—*H. charitonius*, distribution, HOLLAND Ent. News **17** (34).

Ithomia drogheda Venezuela, WEEKS (78) Canad. Entomol. **38**, **sp. n.**—*I. hamlini* **sp. n.** Venezuela, WEEKS, (196) Ent. News **17**.

Pareba vesta alicola subsp. n., Westsumatra, FRUHSTORFER, Entomol. Ztg. Wien **25** 1906 (309).

Penoa pasina **sp. n.** Batu-Inseln, FRUHSTORFER (132) Ent. Zs. Guben **20**.

Planema macarista, Uganda; SHARPE (76) Ann. Mag. Nat. Hist. ser. 7 **18**, **sp. n.**

NYMPHALIDAE.

Nymphalinae and *Lemoniidae* of Borneo, annotated and critical catalogue; SHELFORD J. Straits R. Asiat. Soc. No. 45 1905 (89–136).

Verzeichnis der von mir in Tonkin, Annam und Siam gesammelten Nymphaliden . . . FRUHSTORFER, Entomol. Ztg. Wien **25** (307–362) 2 Taf.

Dunkle Stellen im Leben mancher Argynnid. GILLMER Insektenbörse Leipzig **23** 1906 (111–112). Weitere Bemerkungen dazu, T.c. (132). Also Insektenbörse Leipzig **23** 1906 (60, 92).

Adelpha oronoco Venezuela, WEEKS 76) Canad. Entomol. **38**, **sp. n.**

Apatura modesta Mou-Pin, OBERTHÜR Etudes Lep. fasc. 2 (19) pl. vii f. 4, sp. n.; *H. fulva* Leech is male and *subcaerulea* female of one species T.c. (20).—*A. iris*; larvae habits, larva hatched from egg of dead imago; ANDREWS (224-228) Ent. Mag. London 42.—*A. ilia*, *iris* abb. A. AIGNER, Ann. Hist.-Nat. Mus. Nat. Hung. 4 (488-489).

Araschnia prorsa var. n. *schultzi*, PFITZNER D. ent. Zs. Iris Berlin 18 (277).—*A. levana* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (489-490).

Argynnis varr. n. California, WRIGHT butterfly, west coast U.S.—*A. adippe* var. *cleodoxa*, *aglaia*, *charlotta*, et ab *emilia*, *daphne*, *dia* et ab. *hudaki*, *euphrosyne*, *latonia* et ab. *valdensis*, *niobe* et ab. *eris* et ab. *pelopia*, *pales*, *pandora*, *paphia* et ab. *nigricans*, *selene* et ab. *rindaldus*, aberrations, A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (500-512).—*A. aglaia*, *Melanismus*, LAKATOS Rovart. L. 13 (58-60); date of appearance, STEPHAN Insektenbörse 23 (188).—*A. dia* var. *hudaki*, A. AIGNER Rovart. L. 13 (69-75).—*A. eugenia* var. n. *montana*, BANG-HAAS (127) D. ent. Zs. Iris 19.—*A. paphia* subsp. n. *tsushimana*; FRUHSTORFER Ent. Zs. Guben 20 (25-26); *paphia valesina*, status, GARBOWSKI (471-474) Wien Verh. zool.-bot. Ges. 1906; *paphia*, hermaphrodite, WENKE Zs. wiss. Zool. 84 (95-138) 2 Taf.—*A. frigga* subsp. n. *annae* Tarbagatai, SUSCHKIN Rev. russ. ent. 6 (5-7).—*A. polaris* var. n. *americana* Ark-tisch, STRAND (30) Rep. Norweg. Arctic exp. Fram No. 3.

Athyma; = subgen. of *Pantoporia* and revised, with numerous subsp. n.; *jagori* Luzon (402), sp. n.; FRUHSTORFER Wien Verh. zool.-bot. Ges. 1906 (384-434).—*A. euloca* Borneo, SHELFORD (107) J. Straits Asiat. Soc. No. 45, sp. n.

Byblia goetzii ab. (4) pl. i f. 6, LATHY London Trans. ent. Soc. 1906.—*B. anvatara*, larva and pupa, AURIVILLIUS (3) Uppsala Arkiv. Zool. 3 No. 1.

Cethosia cydippe sangira subsp. n., FRUHSTORFER (215) Ent. Zs. Guben 19.—*C.* subsp. n., FRUHSTORFER Entomol. Ztg. Wien 25 1906 (331-335).

Charaxes peculiaris Rhodesia, LATHY (125) Entomologist 1906, sp. n.—*C.*

jasius, Zucht, REINBERGER Ent. Zs. Guben 20 (29).—*C. durnfordi everetti* ♀, SHELFORD (130) J. Straits R. Asiat. Soc. No. 45.

Cirrochroa; subsp. n. *C. clagia clagina* pl. i f. 3, FRUHSTORFER Entomol. Ztg. Wien 25 (323-333).

Cynthia arsinioë varr. n., FRUHSTORFER (215) Ent. Zs. Guben 19.—*C. erota* varr. n., FRUHSTORFER Entomol. Ztg. Wien 25 (335).

Dryas paphia oviposition, MERRIFIELD (264) Ent. Rec. 1906.

Ecesia [*Aeria* ??] *klagesii* sp. n. Venezuela, WEEKS (195) Ent. News 17.

Eresia cf. *Ecesia*.

Ergolis subsp. n., *specularia* and *arca* pl. i f. 1, *E. phemonoë* f. 2, FRUHSTORFER Entomol. Ztg. Wien 25 (310-313).

Euphaedra weissmanni sp. n. Kongo (25), NIEPELT Ent. Zs. Guben 20.—*E. peculiaris* Uganda, LATHY (5) pl. i figs. 8 and 9 London Trans. ent. Soc. 1906, sp. n.

Euralia wahlbergi and *mima* distinguished, LEIGH (liii-lvii) London Proc. ent. Soc. 1906.

Euripus eurinus varr., FRUHSTORFER (315-318) pl. i figs. 4-6 and pl. ii figs. 7-10 Entomol. Ztg. Wien 25.

Euryphene entebbiae Uganda, LATHY (5) pl. ii f. 1 London Trans. ent. Soc. 1906, sp. n.—*E. mardania*, pupa, AURIVILLIUS (4) Uppsala Arkiv. Zool. 3 No. 1.

Euthalia; revision of Bornean species; SHELFORD Singapore, J. Straits R. As Soc. No. 45 (110-122).—*E. tinna* sp. n. with subsp. n. *agniformis* and *paupera*, *E. agnis modesta* subsp. n., *alpheda* subsp. n. *kenodotus*, *kraunon* and *yamuna*, *decorata*; *natuna* subsp. n., *jama* Feld. f. tempest. or subsp. n. *jamida*; FRUHSTORFER Insektenbörse 23 (18-19).—*E. (Dophla) undosa* sp. n. Malay penins.; *garuda* subsp. n. *meridionalis* and *purana*, *vaseenta* f. n. *fulica*; FRUHSTORFER T.c. (59-60).—*E. nora* subsp. n., FRUHSTORFER (109-120) D. ent. Zs. Iris 19.

Grapta chrysoptera sp. n. California, WRIGHT butterfly, west coast U.S.

Harma coranus pl. iv figs. 5 and 5A (66), TRIMEN London Trans. ent. Soc. 1906.

Herona marathus subsp. n. *marathon* Tonkin, FRUHSTORFER Entomol. Ztg. Wien **25** (349).

Hypolimnas arakaluk Karolinen Arch., SEMPER (253) D. ent. Zs. Iris **18**, sp. n.—*H. bolina*, *missippus*, mimicry, YOUNG Bombay J. Nat. Hist. Soc. **17** 1906 (418).

Junonia; subsp. n., FRUHSTORFER Entomol. Ztg. Wien **25** (352–362).

Lebadea para sp. n. Batu-Inseln, FRUHSTORFER (121) Ent. Zs. Guben **20**.

Limenitis procris subsp. *undifragus* n., *L. p.* forma temp. *chlaena* n., *L. p.* subsp. *milonia* n., *L. p.* subsp. *minoë* n., *L. p.* subsp. *floresiana* n., FRUHSTORFER Ent. Zs. Guben **20** (61–63).—*L. populi*; ROTHE Ent. Zs. Guben **20** (88–89).

Melitaea aurinia abb. *nigrolimbata*, *atricolor*, *impunctata*, *sesostris*, *sebaldis* nn., SCHULTZ Ent. Zs. Guben **19** 1906 (205–206); variation in Galway, KITCHIN (31) pl. i Entomologist London 1906.—*M. cinxia*, *didyma* and *phoebe* varr. n., A. AIGNER Rovart. L. **13** (69–75).—*M. didyma* ab. n. *livida*, KLEMENSIEWICZ (160) Wien Verh. zool.-bot. Ges. 1906.—*M. cinxia* var., LANZ (52–54) Regensburg Ber. natw. Ver. **9**.—*M. athalia*, et ab. *corythalia*, et ab. *navarina*, *cinxia* et ab. *horæathi*, *dictynna*, *didyma* et ab. *alpina* et ab. *fischeri* et ab. *meridionalis*, *parthenie* et ab. *varia*, *phoebe*, *trivia* aberration; A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. Budapest **4** 1906 (490–500).—*M. athalia* copula with *Polygonia*, SCHNEIDER (107) D. ent. Zs. Iris **19**.—*M. trivia* var. n. *pseudodidyma*, REBEL (194) Wien Ann. Nat. Hist. Hofmus. **20**.—*M. sindura* var. *sikkimensis* and *M. tibetana*, ELWES (483) London Proc. zool. Soc. 1906.—*M. chalcodon*, pattern variation pupa, RAMSAY Psyche **13** (136) pl. viii.—*M. cerrita*, *clancha*, *colonia*, *eremita*, *hermosa*, *sabina*, *sierra*, spp. n.; *abnorma*, *angustina*, *leona*, *mirabilis*, varr. n.; N. America; WRIGHT butterfl. west coast U.S.

Microtia elva-horni subsp. n., REBEL (377) Wien Verh. zool.-bot. Ges. 1906.

Neptidopsis ophione larva, AURIVILLIUS (3) Uppsala Arkiv. Zool. **3** No. 1.

Neptis thisbe varr. n. *obscurior* pl. ix f. 1, *dilutior* fig. 2, *theodora* f. 3, (9); *yunnana* (11) pl. viii f. 1, *memorum* (12) f. 3, *meloria* (12) f. 5, *annaika* f. 5,

noyala f. 7, (13), *patricia* (14) f. 6, *sylvana* (16) pl. ix f. 6, *memorosa* (16) f. 5, *sylvia* (18) f. 4, Chinese Tibet, OBERTHÜR Etudes Lep. comp. fasc. **2**, spp. n.

Pantoporia, cf. *Athyma*.

Paromia melania dimorphism and mimicry, OBERTHÜR (21–27) pl. vii figs. 1 and 2 Etudes Lep. comp. fasc. **2**.

Phyciodes pascoensis var. n., Washington, WRIGHT butterfl. west coast U.S.

Polygonia c-album variation, SLEVOGT Insektenbörse (152 and 163); ab. f-album Esp. bei Berlin, FASSL Ent. Zs. Guben **20** (110).

Potamis ambica martini subsp. n. *ambica miranda* pl. ii f. 11, Sumatra, FRUHSTORFER Entomol. Ztg. Wien **25** (343).

Precis; seasonal forms, POULTON (lviii–lx) London Proc. ent. Soc. 1906.—*P. hedonia apollonia* subsp. n. Sumbawa, FRUHSTORFER Entomol. Ztg. Wien **25** (351).

Prepona meander f. n. *pseudomeander*, FRUHSTORFER Ent. Zs. Guben **20** (150).

Prothoë australis subsp. n. *mafalda*, *decolorata* form. n. *menodora*, FRUHSTORFER D. ent. Zs. Iris **19** (43–50).

Protogonius hippona characters and variation, KAYE (49–51) Entomologist London 1906.

Pseudacraea albostrata Uganda, LATHY (4) pl. i f. 7 London Trans. ent. Soc. 1906, sp. n.—*P. eginoides* sp. n. Kamerun (174), SCHULTZE Insektenbörse **23**.

Pyrameis cardui subsp. n. *carduelis*, *priancis*, SCHULTZ (105–111) Nyt. Mag. Naturv. Kristiania **44**; immigration; CAMPBELL-TAYLOR (206, 207) Entomologist 1906 and MATHEW T.c. (209).

Rohana; subsp. n., FRUHSTORFER Entomol. Ztg. Wien **22** (343–347).

Synchlœ californica sp. n. California, WRIGHT butterfl. west coast U.S.

Terinos clarissa, *malayana* and *dinnaga* subsp. n., FRUHSTORFER Insektenbörse **23** (12).—*T. thetys* subsp. n. *udaïos*, *T. taxiles* subsp. n. *amplior*, *poros*, *helleri*, FRUHSTORFER (47–48) T.c.—*T. militum lioneli* nom. n. für *T. clarissa* Nicéville, FRUHSTORFER (104) T.c.—*T. spp.*, *militum lioneli* f.

temp., Tenasserim, FRUHSTORFER
Entomol. Ztg. Wien **25** (336-341).

Vanessa; experimental variation, SCHÜLKE (142-145) Königsberg Schr. physik. Ges. **46** Sitz. Ber.—*V. antiopa* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (489).—*V. hippomene* variation of larva and pupa, MANDERS (41) Entomologist London 1906.—*V. indica*, *atalanta*, *cardui*, YOUNG Bombay J. Nat. Hist. Soc. **17** (422).—*V. tameamea* orthography, KIRKALDY (138) Entomologist 1906.—*V. urticae* varr. *ladakensis* Moore u. *chinensis* Leech, Genitalarmatur, taxonomischer Werth, PETERSEN St. Petersburg Hor. Soc. Ent. Russ. **37** (347-351) Taf. 1A.; Experimentelle Versuche an Raupen und Puppen; nov. ab. *consentanea* JACHONTOV Rev. russ. ent. **6** (10-18); Goldpuppenbildung; MENSIK Zs. Ent. N. F. H. **31** (15-18); TORKA, Posen Zs. D. Ges. Wiss. natw. Abt. **13** (51-55).

BRASSOLIDAE, MORPHIDAE and allies.

Aemona amathusia oberthuri subsp. n. pl. iv f. 9, *Ae. lena* f. 10, STICHEL Gen. ins. fasc. **36**.

Amathusiinae; the genera, and list of the forms, STICHEL T.c.

Amathusia virgata pl. ii f. 1 (12), STICHEL T.c.

Amathuxidia plateni plateni pl. ii f. 2 and pl. iii f. 3 (15), STICHEL T.c.

Brassolis ornamentalis sp. n. Brasilien (209), STICHEL Ent. Zs. Guben **20**.

Catoblepia amphirhoe f. *placita* n., *C. berecynthia* subsp. *adjecta* n.; STICHEL Ent. Zs. Guben **20** (209-210, 217).

Faunis menado menado pl. v f. 11 (33), *aerope excelsus* f. 12 (36), STICHEL Gen. ins. fasc. **36**.

Morphopsis meeki R. and J. pl. iii figs. 2 and 3, JORDAN (759) Nov. Zool. Tring **13**.

Stichophthalma louisa matilda pl. iv f. 7, *S. neumogeni* f. 8, STICHEL (28) Gen. ins. **36**.

Taenaris diana diana pl. v f. 13 (41), *phorcas uranus* f. 14, *selene* pl. vi f. 15, (44), *wahnesi senaria* subsp. n. f. 16 (48), *cyclops agasta* nov. form. f. 17 (49), *artemis myopina* f. 18 (51), STICHEL T.c.

—*T. wahnesi* ab. n. *trioculatus*, THIELE Insektenbörse **23** (40).

(*Taenaris*; subsp. n.; FRUHSTORFER, Entomol. Ztg. Wien **24** 1904 (57-89).)

Thaumantis noareddin sultanus subsp. n. (19) pl. iii f. 4, STICHEL Gen. ins. **36**.

Zeuxidia doubledaii sumatrana (104), *nicevillei nicevillei* (105), subsp. n., FRUHSTORFER D. ent. Zs. Iris **19**.—*Z. nicevillei* pl. iii f. 6, STICHEL (22) Gen. ins. **36**.

(*Stichophthalma mathilda* JANET, Paris Bul. soc. ent. **1905**, sp. n.)

SATYRIDAE.

Aphantopus sajanus Sajan, BANG-HAAS (128) D. ent. Zs. Iris **19**, sp. n.—*A. hyperanthus* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (513).

Bia actorion-atalanta var. n., REBEL (224) Wien Verh. zool.-bot. Ges. 1906.

Callerebia waltoni Tibet, ELWES (482) pl. xxxvi figs. 14 and 15 London Proc. zool. Soc. 1906, sp. n.

Coenonympha arcania var. n. *macrophthalmica*, GALVAGNI Wien Verh. zool.-bot. Ges. 1906 (81) and (615); ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (513).—*C. mathevi* and *dorus*, CHAPMAN (xcix) London Proc. ent. Soc. 1906.—*C. hero*, egg, GILLMER Insektenbörse **23** (114, 115).

Coenonympha rufiplaga Fransvaal, TRIMEN (59) pl. iv f. 1, London Trans. ent. Soc. 1906, sp. n.

(*Coenonympha vaucheri* (+ aberr. *geminipuncta* nov.) BLACHIER Bul. soc. ent. **1905**, sp. n.)

Erebia rheano var. n. *lederi*, BANG-HAAS (127) D. ent. Zs. Iris **19**.—*E. euryale* var. n. *arctica*, POPPIUS (5) f. 1 Helsingfors Acta Soc. Fauna Fl. Fenn. **28** No. 3.—*E. medusa* var. *psodea*, *nerine*, abb.; A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (512).

Henotesia ochracea Angola, LATHY (1) pl. i f. 1 London Trans. ent. Soc. 1906, sp. n.

Melampias epiphron partial second brood, ALDERSON (265) Ent. Rec. 1906.

Melanargia galatea and *japygia* varr. n. Ungarn, A. AIGNER Rovart. L. Budapest **13** (69-75); *franzensassi* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat.

Hung. 4 (512).—*M. syllius* ab. n. *limbata* NEUSTETTER (382) Wien Verh. zool.-bot. Ges. 1906.—*M. lachesis* egg and young larva, POWELL (302-305) pl. xiv Ent. Rec. 1906.—*M. lucasi* egg and early stages, (29) pl. iii f. 8, LUCAS Paris Ann. soc. ent. 75.

Neocoenrya jordani Zanzibar, REBEL (647) Wien Verh. zool.-bot. Ges. 1906, sp. n.

Pararge mutakana sp. n. Formosa, MATSUMURA Annot. Zool. Jap. 6 (11) pl. i f. 6.—*P. achine* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (512-513).

Pronophila rosenbergi, unifasciata, Ecuador, LATHY (77) Entomologist 1906, spp. n.

Pseudonympha and *Neocoenrya* (61), *P. duplex* var. pl. iv f. 2, *natalii* ♂ (63) f. 3, TRIMEN London Trans. ent. soc. 1906.

Satyryx nagasawae sp. n. Formosa, MATSUMURA Annot. Zool. Jap. 6 (10) pl. i f. 3.—*S. stephensi* sp. n. California and Oregon, WRIGHT butterfl. west coast U.S.—*S. briseis* L., AIGNER-ABAFI Ent. Zs. Guben 20 (11-12); variation, A. AIGNER, ROVART. L. 13 (60-64).—*S. dryas* ab., A. AIGNER (512) T.c.

Ypthima rinikivara sp. n. Okinawa, MATSUMURA Annot. Zool. Jap. 6 (11) pl. i f. 2.

ERYCINIDAE.

Abisara wallacei theodosia subsp. n.; FRUHSTORFER Ent. Zs. Guben 19 (215-216).

Charis suapure sp. n. Venezuela, WEEKS (199) Ent. News 17.

Euselasia tysoni sp. n. Venezuela, WEEKS (199) T.c.—*E. howlandi* Venezuela, WEEKS (79) Canad. Ent. 38, sp. n.

Lemonias mormo and *virgulti*, life-histories, correction COOLIDGE Ent. News 17 (140).

Mesene rochesteri Venezuela, WEEKS (77) Canad. Entomol. 38, sp. n.

Methonella carveri sp. n. Venezuela, WEEKS (200) Ent. News 17.

Nemeobius lucina L. ab. *schwingenschussi* nov. ab. Krain, REBEL Wien JahrBer. Entom. Ver. 16 (53-73); ab.,

A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. Budapest 4 (513-514).

Nymphidium blakei Venezuela, WEEKS (78) Canad. Entomol. 38, sp. n.—*N. quinoni* sp. n. Venezuela, WEEKS (201) Ent. News 17.

LYCAENIDAE.

Generic names and types of genera, TUTT (129-132) Ent. Rec. 1906.

Aphnaeus takanonis sp. n. Hontō, MATSUMURA Annot. Zool. Jap. 6 (12) pl. i f. 7.

Arrugia protumnus (Linn.) pl. vi figs. 20, 20a, 20b, (80); TRIMEN London Trans. ent. soc. 1906.

Aslauga; spp. and sexes; TRIMEN (81) T.c.

Callophrys rubi subsp. *cinerascens*. SCHULTZ (105-111) Nyt. Mag. Naturv. Kristiania 44.

Candalides onagarra (100), *meeki*, *sublutea*, (101), *grandis* (102), New Guinea; BETHUNE-BAKER Ann. Mag. Nat. Hist. London ser. 7 17, spp. n.

Catochrysops kabrosae (107), *acholi*, *nandiana*, (108), E. Africa; BETHUNE-BAKER T.c., sp. n.

Celastrina gen. n. type *argiolus*, TUTT (131) Ent. Rec. 1906.

Chilades trochilus var. n. *grisea* Cyprien, A. AIGNER ROVART. L. 13 (69-75).

Chrysophanus del sud sp. n. California, WRIGHT, butterfl. west coast U. S.—*C. virgaureae* var. n. *armeniaca*, BANGHAAS (128) D. ent. Zs. Iris 19.—*C. alciphron* ab. *intermedia* LOWE (90) Entomologist 1906; *C. alciphron*, *dispar* var. *rutilus*, abb., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (514).—*C. dispar*, pupa, hairs etc., CHAPMAN (15-17) pl. i Ent. Rec. 1906; var. *megii*, pupa trumpet hairs, Id. T.c. (89) pl. iv.

(*Chrysophanus phoebus* Maroc, BLANCHET, Paris Bul. soc. ent. 1905, sp. n.).

Cyaniris drucei (102), *acesina* (103), New Guinea; BETHUNE-BAKER Ann. Mag. Nat. Hist. ser. 7 17, spp. n.

Deloneura (68), *millari* sp. n. pl. iv figs. 6, 6a, 6b, (69); TRIMEN London Trans. ent. soc. 1906.

Deudorix grandis R. and J. pl. iii figs. 9 and 10, JORDAN (759) Nov. Zool. Tring 13.

Durbania limbata Trim. pl. vi f. 21, saga f. 22, TRIMEN (82) London Trans. ent. Soc. 1906.

Epitola mengoensis East Africa, BETHUNE-BAKER (105) Ann. Mag. Nat. Hist. 17, sp. n.

Hypochrysops meeki R. and J. pl. iii f. 10, JORDAN (759) Nov. Zool. Tring 13.

Hypolycaena jacksoni E. Africa, BETHUNE-BAKER (106) Ann. Mag. Nat. Hist. ser. 7 17, sp. n.—*H. aureolineata* Toro, BETHUNE-BAKER (340) Op. cit. 18, sp. n.

Iaspis Kaye; type is *Thecla temesa*; DRUCE (334) Ann. Mag. Nat. Hist. ser. 7 17.

Incisalia irus, natural history (141-144, 181-185) plates i and ii, *augustus* natural history (214-217) pl. iii, COOK Canad. Entomol. 38.

Lachnocnema busoga E. Africa, BETHUNE-BAKER (105) Ann. Mag. Nat. Hist. ser. 7 17, sp. n.

Lampides baleanica, ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (514-515).

Liptena libyssa orientalis subsp. n. (339); *L. subpunctata* sp. n. Nigeria (340); BETHUNE-BAKER Ann. Mag. Nat. Hist. ser. 7 18.

Loveia alciphron gordius larva, PRIDEAUX (246) Ent. Rec. 1906.

Lycaena younghusbandi Tibet (484) pl. xxxvi f. 10, sp. n., *semiargus* var. n. *annulata* figs. 11 and 12, ELWES (484) London Proc. Zool. Soc. 1906.—*L. harae*, sp. n. Hontō, MATSUMURA Annot. Zool. Jap. 6 (13) pl. i f. 5.—*L. patricia* Trim. pl. v figs. 8 and 8a (73), *ortygia* figs. 9 and 9a, *tantalus* figs. 10 and 10a, (74), *ignota* f. 11, *peplredo* f. 12, (75), *dolorosa* figs. 13 and 13a, (76), *lucida* figs. 14 and 14a, *stellata* pl. vi figs. 15 and 15a, (77), *metophis* figs. 16 and 16a, (78), *boukeri* figs. 17 and 17a, *natalensis* figs. 18 and 18a, (79); TRIMEN London Trans. ent. Soc. 1906.—*L. eversmanni* ab. *amplificata*, *L. eros* ab. *albopicta*, *L. amanda* ab. *stigmatica*, *L. meleager* ab. *limbopunctata*, *L. bellargus* ab. *latefasciata*, *L. miris* ab. *oblitescens*, *L. charydis* ab. *exuta*, *L. euphemus* ab.

paula, *L. alcon* ab. *pallidior*, abb. n., SCHULTZ Ent. Zs. Guben 19 1906 (214-215).—*L. amanda*, *argiades* et gen. vern. *polysperchon*, *argus*, *arion*, *bellargus*, *damon*, *hylas*, *icarus*, *orbitalis*, *semiargus*, *Aberations*, A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (515-517).—*L. corydon* var. *corydonius*, SHELTON (ix-xii) London Proc. ent. Soc. 1906; ab. n. *seminigra*, PREISSECKER (87) Wien Verh. zool.-bot. Ges. 1906; var. n. *torgniensis* (157), HAYERKAMPF Bruxelles Ann. Soc. ent. Belgique 50.—*L. bellargus* and *damon* var. n. Ungarn., A. AIGNER Rovart. L. Budapest 13 (69-75).—*L. escheri-rondoni* subsp. nov. Ch. OBERTHUR (57) Paris Bull. Soc. entom. 1906.—*L. amyntas* et *coretas*, variation and distribution; OBERTHUR Ch. Feuille jeunes natural. 36 (149).—*L. argus*, copula, GILLMER Insektenbörse Leipzig 23 (136).—*L. sp. n. L. icarus persica* and *L. elvira*, Aralsee, TSCHETVERIKOW Taschent Turk. Otd. Russ. Gegr. Obsč. 4 (30-36).—*L. melimona* var. n. California, WRIGHT, butterfl. west coast U. S.—*L. arion* larval habits, FROHAWK (145-147) Entomologist 1906; ROTHSCHILD (172) T.c.—*L. alcon* ovum, SIOH (263) Ent. Rec. 1906.—*L. amanda*, egg, GILLMER Insektenbörse Leipzig 23 1906 (114-115).

(*Lycaena icarus* Rott., ab. *polyphemus* Esper, *melanotoxa* Pincitore LEONHART, Naturalista sicil. Palermo 18 1905 (1-3).)

(*Lycaenesthes affinis* nom. mut. (= *Lycaenesthes modestus* Waterhouse not *L. modestus* Standinger) WATERHOUSE and TURNER Sydney N.S.W. Proc. Linn. Soc. 29, (801).)

Myrina sharpei, Uganda, BETHUNE-BAKER (106) Ann. Mag. Nat. Hist. ser. 7 17, sp. n.

(*Neolucia* gen. n. Type *Lycaena agricola* Westwood, WATERHOUSE and TURNER, Sydney N.S.W., Proc. Linn. Soc. 29 (803).)

(*Nesolycaena* gen. n. Type *Holochila albosericca* Miskin, WATERHOUSE and TURNER, Sydney N.S.W. Proc. Linn. Soc. 29 (801).)

Paraduba gen. n. near *Nacaduba*, (103), *ovizgarra* sp. n. British New Guinea (104); BETHUNE-BAKER T.c.

(*Paralucia* gen. n. Type *Lucia pyrodiscus* Rosenstock, WATERHOUSE and

TURNER, Sydney N.S.W. Proc. Linn. Soc. 29 (802).

Paralodina aroa, colour, BETHUNE-BAKER (100) Ann. Mag. Nat. Hist. 17.

Penilia ntebi Uganda; BETHUNE-BAKER, (105) T.c., sp. n.—*P. catori* Nigeria, BETHUNE-BAKER (339) Op. cit. 18, sp. n.

(*Polycæna camelita* OBERTHÜR, Paris Bul. Soc. ent. 1903, (268–270) sp. n. *Rhopaloceres Erycinidos*.)

Polyommatus gordius Esp. var. n. *diniensis* CH. OBERTHÜR (25) Paris Bull. Soc. entom. 1906.—*P. astrarche*, variation with var. n., HARRISON (236, 237) Ent. Rec. 1906.—*P. corydon* var. in Spain, SHELDON (118) Ent. Rec. 1906; variation in Britain, PICKETT (46–52) London Trans. City Nat. Hist. Soc. 1905.—*P. donzelii* early stages McDUNNOUGH (313–316) Ent. Rec. 1906.—*P. astrarche* larval habits, HARRISON (247) Ent. Rec. 1906.

Rumicia gen. n. type *phlaeas*, TUTT (131) Ent. Rec. 1906.

Spindasis tavetensis E. Africa, LATHY (6) pl. i f. 10 London Trans. ent. Soc. 1906, sp. n.

Thecla avalona sp. n. California, WRIGHT butterfl. west coast U.S.—*T. madie*, *carteri*, (197), *hosmeri* (198), Venezuela, WEEKS Ent. News 17, spp. n.—*Thecla ilicis* var. n. *fountainæ*, Algier, A. AIGNER Rovart L. 13 (69–75).—*T. w-album* var. *meridionalis*, *T. pruni* subsp. *pallascens*, SCHULTZ (105–111) Nyt. Mag. Naturv. Kristiania 44.—*T. w-album* pupal skin and hairs, CHAPMAN (263) pl. xi Ent. Rec. 1906.

Thestor ballus ovum, SICH, food-plant CHAPMAN; (293) Ent. Rec. 1906.

Zephyrus quercus subsp. *bellus*, Z. *betulae* subsp. *unistrigata*, SCHULTZ (105–111) Nyt. Mag. Naturv. Kristiania 44; pupal skin and pupal hairs, CHAPMAN (237) pl. Ent. Rec. 1906.—*Z. betulae*, Raupe, GILLMER Insektenbörse 23 (56); Ei und Eiablage, GILLMER Insektenbörse 23 (42–43).

Zeritis orcas Trim. (80) pl. vi figs. 19 and 19a, TRIMEN London Trans. ent. Soc. 1906.

Zizera drucei Madagascar, BETHUNE-BAKER (109) Ann. Mag. Nat. Hist. ser. 7 17, sp. n.

(N-9720 j)

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Catalogue of palearctic *Urbicolides*, TUTT 195–198 Ent. Rec. London 18.

On Dr. Dyar's review of the *Hesperidae*; SKINNER Ent. News 17 (110–112).

Achlyodes melcheri Venezuela, WEEKS (176) Canad. Entomol. 38, sp. n.

Adopæa thaumas subsp. *pallens* f. *pallida*, SCHULTZ (105–111) Nyt. Mag. Naturv. Kristiania 44.

Aethilla buffumi Venezuela, WEEKS (174) Canad. Entomol. 38, sp. n.

Carystus ambrosei Venezuela, WEEKS (67) Psyche 13, sp. n.—*C. richardi* sp. n. Venezuela, WEEKS (201) Ent. News 17.

Ceratrachia brunnea E. Africa, BETHUNE-BAKER (343) Ann. Mag. Nat. Hist. ser. 7 18, sp. n.

Chaerephon bouletti Perou, MABILLE (67) Paris Bull. Soc. entom. 1906, sp. n.

Cyclopides ogwanyi East Africa, BETHUNE-BAKER (110) Ann. Mag. Nat. Hist. ser. 7 17, sp. n.

Eryeides nakawara sp. n. Venezuela, WEEKS (70) Psyche 13.

Nisoniades lacustra sp. n. California, WRIGHT butterfl. west coast U. S.—*Nisoniades plummertini* sp. n. Venezuela, WEEKS (73) Psyche 13.

Oxybadistes ardea N. Guinea, BETHUNE-BAKER (343) Ann. Mag. Nat. Hist. ser. 7 18, sp. n.

Padraona chrysozona, life-history, BANKS (212) pl. ii Philipp. J. Sci. 1.

Pamphila californica, *chiapa*, spp. n., California, WRIGHT butterfl. west coast U. S.—*P. bryanti*, *chinoba*, Venezuela, WEEKS (175) Canad. Entomol. 38, spp. n.—*P. bobae* (203), *brooksii* (204) Venezuela WEEKS Ent. News 17, spp. n.—*P. verdanta* (67), *mengeli* (68), *winslowi* (69), spp. n., Venezuela, WEEKS Psyche 13.

Pardalodes kamagamba, *torensis*, Africa, BETHUNE-BAKER Ann. Mag. Nat. Hist. ser. 7 18, spp. n.

Parnara ogasawarensis sp. n. Ogasawarajima, MATSUMURA Annot. Zool. Jap. 6 (13) pl. i. f. 4.

Plestia kikawai Venezuela, WEEKS (177) Canad. Entomol. 38, sp. n.

Pyrgus occidentalis sp. n. Arizona, SKINNER (96) Ent. News 17.—*P. syrichtus*, tessellata, occidentalis and montivagus; SKINNER Ent. News 17 (277-278 pl. xii).—*P. centaureae*, southern range, COOK (99) Ent. News 17.

Pythonides hoyti sp. n. Venezuela, WEEKS (202) Ent. News 17.

Sarangesa ganyi East Africa, BETHUNE-BAKER (109) Ann. Mag. Nat. Hist. ser. 7 17, sp. n.—*S. tsava* (341), subalbicans (342), Africa, BETHUNE-BAKER Op. cit. 18, spp. n.

Thanaos parkeri sp. n. Venezuela, WEEKS (72) Psyche 13.—*T. propertius* var. n. borealis, CARY Washington U. S. Nation. Mus. Proc. 31.—*T. martialis* variability of genitalia, *T. ansonius* Lintn. is a sport, COOK New York J. Ent. Soc. 14 (125-128) pl. iii.

Thymele pervivax var. n. aleanderi Venezuela, WEEKS (71) Psyche 13.

Urbicola comma, larva trumpet hairs, CHAPMAN (117) pl. v Ent. Rec. 1906.

(*Augiades faunus*, Gavarnie, TURATI, Naturalista sicil. Palermo 18 1905 (36-33), sp. n.)

Heterocera.

CASTNIDAE, SESIIDAE.

Castnia icarus, variation, (760) pl. x figs. 1-4, JORDAN Nov. Zool. Tring 13.

Sesia rufibasalis sp. n. Schweiz (190), BARTEL Ent. Zs. Guben 19.—*S. culiciformis* var., PLUM (189) Entomologist 1906.

Synemon phaeoptila Queensland, TURNER (136) Adelaide S. Aust. Trans. R. Soc. 30, sp. n.

Trochilium lasicera Tibet, HAMPSON (495) London Proc. Zool. Soc. 1906, sp. n.—*T. andrenaeforme* life history, ROTHSCHILD, BANKES and CHAPMAN London Trans. ent. Soc. 1906 (471-482) pl. xxviii.

SPHINGIDAE.

Sphingidae dans les faunes paléarctique et en partie paléanarctique (émodesérique) (Russ.) KUSNEZOV St. Petersburg Hor. Soc. Ent. Russ. 37 1906, (293-343).

Hybrid *Thaumas vespertilio* × *Hyles euphorbiae* = *densoi* n. hybr., MUSCHAMP (237) Ent. Rec. 1906.

Acherontia atropos ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (517-518); TANORSKY Ent. Zs. Guben 20 (53-54); Entpuppungsakt, BLUMENTHAL Insektenbörse Leipzig 23.

Amorpha populi var., GILLMER Wiesbaden Jahrb. Ver. Natk. 59 (157-171) 1 Taf.; var. discussed, GILLMER (29 etc.) pl. iii Ent. Rec. 1906.

Chaerocampa boisduvalii, AUSTAUT Ent. Zs. Guben 19 (181-183).—hybr. *pernoldi* Jcs., JACOBS D. ent. Zs. Iris Berlin 18 (321-327) mit 1 Taf.

Compso gene panopus celebensis subsp. n., ROTHSCHILD and JORDAN (179) Nov. Zool. Tring 13.

Daphnis nerii, Raupe, DIEHM Insektenbörse Leipzig 23 (376); tubercles of larva, taxonomy, BACOT (306) pl. xiv Ent. Rec. 1906.

Deilephila euphorbiae rufescens variation, GATNAR (645) Wien Verh. Zool.-bot. Ges. 1906; var. n., PIEZCZEK (6) Wien Verh. Zool. bot. Ges. 1906.—*D. gallii* zweite Generation, HILLER Ent. Zs. Guben 19 (179-180); BRÄUNLICH Ent. Zs. Guben 20 (110-111).—*D. nicaea* var. n. *crimaea*, BANG-HAAS (129) D. ent. Zs. Iris 19.—var. *livornica* an der Dent du Midi, DENSO Ent. Zs. Guben 20 (155-156).—*D. placida salomonis* subsp. n., ROTHSCHILD and JORDAN (181) Nov. Zool. Tring 13.—*D. vespertilio* ab. *flava* (21) pl. ii f. 6, BLANCHIER Paris Ann. soc. ent. 75.

(*Deilephila vespertilio* ab. *flava* ab. n. BLANCHIER, Paris Bul. soc. ent. 1905, (52-54).)

Dilina tiliæ ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (518).

(*Epistor boisduvali* OBERTHÜR, Paris Bul. soc. ent. 1904, sp. n.)

Eupteryx molucca subsp. n. *obiana*, HUWE (322) pl. vi f. 5 Berliner ent. Zs. 50.

Euryglottis albostigmata basalis subsp. n., ROTHSCHILD and JORDAN (178) Nov. Zool. Tring 13.

Hippotion jordani sp. n. Dammer Ins., HUWE (327) pl. vi f. 3 Berliner ent. Zs. 50.—*H. osiris* Dalm. (167) f. 28, DISTANT Ins. transvaal,

(*Lepchina* gen. n., *tridens* sp. n. OBERTHÜR, Paris Bul. soc. ent. 1904, (76-79).)

Libyoclanis gen. n., *bainbridgei* sp. n. Sierra Leone, ROTHSCHILD and JORDAN (180) Nov. Zool. Tring 13.

Macroglossa stellatarum, experiments as to senses and intelligence, PLATEAU (141-180) Bruxelles Mem. Soc. ent. Belgique 12; instinct, WILLEM (418-420) Bruxelles Ann. Soc. ent. Belgique 50.—*M. hirundo samoanum* and *h. confluens* subsp. n. ROTHSCHILD and JORDAN (407) Nov. Zool. Tring 13.

Marumba rothschildi sp. n. Batjan, HUWE (319) pl. vi f. 4 Berliner. ent. Zs. 50.—*M. sperchius*, moulting, (Japanese); KOTAKE Konch. Sek. Gifu 10 1906 (320-322).

Meganoton thielei sp. n. Sumatra, HUWE T.c. (316) pl. vi f. i.

Metospilus porcellus var. n. *colossus*, BANG-HAAS (129) D. ent. Zs. Iris 19.

Pholus vitus fuscatus subsp. n., ROTHSCHILD and JORDAN (181) Nov. Zool. Tring 13.

Polyptychus anochus, Sierra Leone, ROTHSCHILD and JORDAN (179) T.c., sp. n.—*P. poliades* Ashanti, ROTHSCHILD and JORDAN (406) T.c., sp. n.

• *Protambulyx xanthus* Costa Rica, ROTHSCHILD and JORDAN (179) T.c., sp. n.

Protoparce fosteri Paraguay, ROTHSCHILD and JORDAN (178) Nov. Zool. Tring 13, sp. n.

(*Rhagastis jordani* OBERTHÜR, Paris Bul. soc. ent. 1904, (13-14), sp. n.)

Smerinthus ocellata, schnelle Entwicklung, HADER Ent. Zs. Guben 19 (203).—*S. populi* Zwitter, VOLAND Ent. Zs. 20 (118); gynandromorph, GRÖNBLOM Helsingfors Medd. Soc. Fauna Fl. Fenn. 13 (17-19) 1 fig.; *S. tiliae*, date d'éclosion de, DUPUY Paris Bul. soc. ent. 1906 (218-219).

Sphinx ligustri photographische Darstellungen der letzten Häutung, JARREN Kosmos Stuttgart 3 1906 (347-350).

Temnora angulosa Congo, ROTHSCHILD and JORDAN (182) Nov. Zool. Tring 13, sp. n.

(N-9720 j)

Typhosia gen. n. near *Lycosphinx* (406), *illustris* sp. n. Ashanti (407), ROTHSCHILD and JORDAN T.c.

Xylophanes fosteri Paraguay (182), *dolius* Ecuador, *cosmius* (183), *pyrrhus* (185), Peru, spp. n.; *X. chiron lucianus* (184) and *eubanus* (185) subsp. n.; ROTHSCHILD and JORDAN T.c.—*X. turbata* Edw. (325) pl. vi f. 2, *clara* Druce (326), HUWE Berliner ent. Zs. 50.

(*Xylophanes nabuchodonozor* OBERTHÜR, T.c., sp. n.)

BOMBYCOES.

S. l. including *Chalcosiidae*, *Psychidae*, *Hepialidae*, *Cossidae*, *Agaristidae* and various groups of more or less doubtful position. *Uraniidae*, *Epiplemidae* vide GEOMETRIDAE; *Thyrididae* vide PYRALIDAE.

Acanthopsyche opacella, validity, HEYLAERTS (97) Bruxelles Ann. Soc. ent. Belgique 50.

Actias selenae var. *artemis* Brem., metamorphosis, (Japanese); NAWA Konch. Sek. Gifu 10 1906 (233-234).—*A. luna*, Zucht, EBNER Ent. Zs., Guben 20 (41-43).

Adoneta gemina sp. n. Texas, DYAR (200) Brooklyn Mus. Bull. 7.

Aegocera leighi Durban, JORDAN (161) Nov. Zool. Tring 13, sp. n.

Aethria langleyi, *eliza*, Venezuela, spp. n., KLAGES (543) Washington U. S. Nation. Mus. Proc. 29.

Aghonia ovifera Peru, DOGNIN (181) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Aglia tau L., FUCHS Natw. Zs. Landw. Stuttgart 4 1906 (153-158).

Albarracina korbi var. ?, BANG-HAAS (130) D. ent. Zs. Iris 19.

Amastus rumina (= *Phaegoptera aconia* Dr. Biol. Centr.-Amer.) Costa Rica, *semifulvus* Peru, DRUCE (84) Ann. Mag. Nat. Hist. ser. 7 18, spp. n.

Andrhippuris caudaequina Karsch pl. x f. 12, JORDAN (761) Nov. Zool. Tring 13.

Anodonta gigantea (408), *euribya* (409), Peru; DRUCE Ann. Mag. Nat. Hist. ser. 7 17, spp. n.

Anthela ekeikei = (*Collusa ekeikei*), BETHUNE-BAKER (191) Nov. Zool. Tring **13**.—*A. uniformis* Swinh. (as *Darala*) = (*niphomacula* Low.), TURNER (127) Adelaide S. Aust. Trans. R. Soc. **30**.

Antheraea cordifolia sp. n. Celebes, WEYMER D. ent. Zs. Iris. **19** (71).—*A. pernyi* Guer., metamorphosis (Japanese); NAWA Konch. Sek. Gifu **10** 1906 (106-108).—*A. yamamai*, metamorphosis (Japanese); NAWA T.c. (146-147).

Antichloris quartzi sp. n. Venezuela, KLAGES (548) Washington U. S. Nation. Mus. Proc. **29**.

Apatelodes seraphica sp. n. Texas, DYAR (197) Brooklyn Mus. Bull. **1**.—*A. striata*, *bicolorata*, Peru, DRUCE (93) Ann. Mag. Nat. Hist. ser. 7 **18**, spp. n.

Arachnis semiclara sp. n. N. America, STRETCH (124) pl. xii f. 18 New York J. ent. Soc. **14**.

Araeogyia phacopasta Darjiling, HAMPSON (492) pl. xxxvi f. 22 London Proc. Zool. Soc. 1906, sp. n.

Arbela orima Peru, DRUCE (414) Ann. Mag. Nat. Hist. ser. 7 **17**, sp. n.

Arctiidae and allies, North American; STRETCH New York J. Ent. Soc. **14** (117-125) pls. ii-xii (sep. enum.).—*Arctiidae*; STEPHAN Die Falter und Raupen unserer Bärenschmetterlinge. Natur u. Kultur München **3** (618-624).

Arctia caja var. n. *flava*, A. *hebe* var. n. *rossi*, A. AIGNER Rovart. L. Budapest **13** (69-75).—*A. caja*, Melanisimus LAKATOS Rovart. L. **13** (58-60).—*A. aulica*, *caja*, *maculosa*, abb.; A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (528-530).—*A. maculosa* varr., SCHIMA (229) Wien Verh. Zool.-bot. Ges. 1906.

Argyrocydes auranticincta (544), *suapurensis* (545), Venezuela, spp. n., KLAGES Washington U. S. Nation. Mus. Proc. **29**.

Argyrolepidia pamphila, *ombiranus*, JORDAN (161) Nov. Zool. Tring **13**.—*A. palaea* R. and J. pl. iii f. 15, JORDAN (761) T.c.

Aroa globula Sumatra, SWINHORE (544) Ann. Mag. Nat. Hist. ser. 7 **17**, sp. n.

Arsenura biundulata Brazil (85), *drucei* Panama, *thomsoni*, (86), *samba*

(87), Guiana, spp. n., SOHAUS Washington U. S. Nation. Mus. Proc. **30**.

Asota carsina Nias isld., SWINHORE (407) Ann. Mag. Nat. Hist. ser. 7 **18**, sp. n.

Asura rhodina R. and J. pl. iii f. 12, JORDAN (761) Nov. Zool. Tring **13**.

Athletes Karsch; REBEL D. ent. Zs. Iris **18** (268-275).—*A. semialba*, REBEL (97) op. cit. **19**.

Attacus cyntia, in Strassburg, SCHERDLIN Ent. Zs. Guben **20** (77-78, 83).—*A. orizaba*, Zucht, LAUBE Insektenbörse Leipzig **23** (164).

Automeris meridana (87), *vomona*, *annulata*, *inoxia*, (88), Guiana, *pomifera* Peru, *jucundoides* Guiana, (89), *hamata* Venezuela, *moresca*, *parilis*, Guiana, (90), *orodina* Paraguay, *curvilinea* Peru, (91), spp. n., SCHAUS Washington U. S. Nation. Mus. Proc. **30**.—*A. umbrosa* sp. n. Argentinien, WEYMER D. ent. Zs. Iris **19** (74).

Automolis semibrunnea (81), *roscofasciata* (82), Peru; DRUCE Ann. Mag. Nat. Hist. **18**, spp. n.—*A. brunneirecta*, *rubrirecta*, Peru, DOGNIN (182) Bruxelles Ann. Soc. ent. Belgique **50**, spp. n.

Bantuana gen. n. *Striphnopterygidae*, *eregoei* sp. n. Transvaal, DISTANT (167) f. 29 Ins. transvaal.

Barsine syntypica Sumatra, SWINHORE (540) Ann. Mag. Nat. Hist. ser. 7 **17**, sp. n.

Birithama haplopis, *delocrossa*, Queensland, TURNER (139) Adelaide S. Aust. Trans. R. Soc. **30**, spp. n.

Bombyx inornata Peru, DRUCE (90) Ann. Mag. Nat. Hist. ser. 7 **18**, sp. n.—*B. quercus*, Zucht, HOFFMANN Ent. Zs. Guben **20** (52-53).—*B. pini*, in Norwegen, THORSEN Kristiania Tidssk. Skogbr. **14** (334-338).—*B. mori*, GAL. (7° Note), Nîmes Bul. soc. étud. sci. nat. **33** 1906 (87-97); heredity, TOYAMA Biol. Centralbl. **26** (321-334); Parthénogenèse artificielle des œufs, Recherches expérimentales, QUAIAT, Mâcon Bul. soc. sci. nat. **2** 1906. (218-229).

Brachylia florita Peru, DRUCE (414) Ann. Mag. Nat. Hist. ser. 7 **17**, sp. n.

Brahmaea japonica, metamorphosis (Japanese), NAWA Konch. Sek. Gifu **10** 1906 (415-416).

Bunaea regalis Africa, REBEL (99) D. ent. Zs. Iris **19**, sp. n.—*B. macrothyris* Angola, ROTHSCHILD (189) Nov. Zool. Tring **13**, sp. n.

Acostatia umbraticola sp. n. Venezuela, KLAGES (551) Washington Nation. Mus. Proc. **29**.

Cadurca gen. n. *Lymantriidae*, *venata* sp. n. W. Africa, SWINHOE (546) Ann. Mag. Nat. Hist. ser. 7 **17**.

Caligula japonica metamorphosis (Japanese); NAWA, Kouich. Sek. **10** 1906 (63-64).

Callidrepana discipunctata, *superba*, Brit. New Guinea, WARREN (61) Nov. Zool. Tring **13**, spp. n.

Callimorpha quadripunctaria ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (530).

Calonotos plumulatus sp. n., Venezuela, KLAGES (541) Washington U. S. Nation. Mus. Proc. **29**.

Calophasia casta var. n. *biroi* Ungarn, A. AIGNER Rovart. L. **13** (69-75).

Caprimima aenea R. & J. pl. iii f. 11, *metallica* f. 17, JORDAN (761) Nov. Zool. Tring **13**.

Carama bella, *modificata*, (87), *fusca*, *distincta*, *rufidorsata*, (88), *nox*, *nigrovenosa*, Peru, *parmata* Brazil, (89); DRUCE Ann. Mag. Nat. Hist. ser. 7 **18**, spp. n.

Carthara bifasciata, Peru, DRUCE (91) T.c., sp. n.—*C. roseilinea* Brazil (95), *umbrata* Chiriqui (96), spp. n., SCHAUS Washington U. S. Nation. Mus. Proc. **30**.

Caviria vestalis sp. n. Guiana, SCHAUS (93) T.c.

Ceramidia caurensis sp. n. Venezuela, KLAGES (548) Washington U. S. Nation. Mus. Proc. **29**.

Chalcosia; varr., sexes, (174-178), *costimacula batakorum* new form (178), DOHRN Stettiner ent. Ztg. **67**.

Chrysocale quadruplex Colombia, DOGIN (180) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Chrysopsyche lamani Congo (9) pl. i f. 4, with larva (10), AURIVILLIUS Uppsala Arkiv. Zool. **3** No. 1, sp. n.

Cithene hodeva Peru, DRUCE (87) Ann. Mag. Nat. Hist. ser. 7 **18**, sp. n.

Clania vaulogeri Tonkin, *joannisii* Manila, HEYLAERTS (101) Bruxelles Ann. Soc. ent. Belgique 1906, spp. n.

Cochlidion creticum Crete, REBEL (236) Wien Verh. zool.-bot. Ges. 1906, sp. n.

Collusa ekeikei cf. *Anthela*.

Copaxa rufinans Mexico, *marona*, (92), *lineata* (93), Guiana, spp. n., SCHAUS Washington U. S. Nation. Mus. Proc. **30**.

Copidryas cosyra early stages, KUNZE (133) New York J. ent. Soc. **14**.

Cosmosoma rubrigutta sp. n. Arizona, SKINNER (96) Ent. News **17**.—*C. hamptoni* sp. n. Venezuela, KLAGES (534) Washington U. S. Nation. Mus. Proc. **29**.—*C. achemon* var. n. *bolivarensis*, KLAGES (536) T.c.—*C. pytra* Trinidad, *villia* Peru, DRUCE (78) Ann. Mag. Nat. Hist. **18**, spp. n.

Cossus cossus, Entwicklung, FRINGS Ent. Zs. Guben **20** (53).

Costria ockendeni Peru, DRUCE (93) Ann. Mag. Nat. Hist. **18**, sp. n.

Cyclosia; spp. and synonymy, DOHRN (168-170) Stettiner ent. Ztg. **67**.

Darala uniformis cf. *Anthela*.

Dasychlira pulchra (544), *postalba*, *rocana*, Coomassie, *glovera* Uganda, (545); SWINHOE Ann. Mag. Nat. Hist. **17**, spp. n.—*D. anaha* Java and Sumatra, SWINHOE (406) Op. cit. **18**, sp. n.

Dasylophia riparia Peru, DRUCE (409) Ann. Mag. Nat. Hist. **17**, sp. n.

Datana integerrima var. n. *cochise*, DYAR (186) Brooklyn N.Y. Mus. Bull. **1**.

Deilemera fatua sp. n. Ost-Afrika, HEYN (213) Ent. Zs. Guben **19**.—*D. marcida* Angola, SWINHOE (548) Ann. Mag. Nat. Hist. **17**, sp. n.—*D. niasana* Nias isld., SWINHOE (406) Op. cit. **18**, sp. n.—*D. adversata* SCHALL. = (*plagiifera* Walk.), PROUT (36) Ent. Rec. 1906.

Demas coryli ab. n. *melanotica*, HAVERKAMPF Bruxelles Ann. Soc. ent. Belgique **50** (158).

Diaerisia (*Spilosoma*) *caeria* sp. n. Kuku-Noor, PÜNGELER D. ent. Zs. Iris **19** (79).

Dipoena peculiaris Peru, DRUCE (86) Ann. Mag. Nat. Hist. **18**, sp. n.

Doa ? cubana sp. n. Matanzas, SCHAUS (94) Washington U. S. Nation. Mus. Proc. **30**.

Dognina botis, *carastia*, Peru, DRUCE (419) Ann. Mag. Nat. Hist. **17**, spp. n.

Drymonia trimaculata var. *dodonaea* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (518).

Dysauxes florida He Maurice, JOANNIS (169) pl. ix f. 1 Paris Ann. Soc. ent. 75, sp. n.—*D. punctata* var. n. *separata* pl. v f. 15, BANG-HAAS (143) D. ent. Zs. Iris 19.

Dysdaemonia fosteri Paraguay, ROTH-SCHILD (189) Nov. Zool. Tring, 13, sp. n.

Dyspessa kabyalaria Tunis, pl. v f. 10, BANG-HAAS (143) D. ent. Zs. Iris 19, sp. n.—*D. argaensis* Asia minor, REBEL (205), Wien Ann. Nat. Hist. Hofmus. 20, sp. n.—*D. ulula* var. = (*pallidata* Stögr.), REBEL (299) Berliner ent. Zs. 50.

Echedorus fasciatus Peru, DRUCE (90) Ann. Mag. Nat. Hist. 18, sp. n.

Eloria cubana Cuba, *aroensis* Venezuela, *serena* Guiana, spp. n., SCHAUS (94) Washington U. S. Nation. Mus. Proc. 30.

Elysium lavinia, terra, Peru, DRUCE (82) Ann. Mag. Nat. Hist. 18, spp. n.

Endrosa irrorella var. *freyeri*, REBEL (5) Wien Verh. zool. bot. Ges. 1906.—*E. aurita* var. *ramosa* ab., A. AIGNER Ann. Hist.-Nat. Hung. 4 (530).

Epignopteryx pulla var. *montana* valid, HEYLAERTS (99) Bruxelles Ann. Soc. ent. Belgique 50.

Epipomponia gen. n. for *Epipyrops navai* Dyar, DYAR (111) New York J. ent. Soc. 14.

Epipyrops doddi Queensland, ROTH-SCHILD (162) Nov. Zool. Tring 13, sp. n.; with larval habits by DODD T.c. (162-169).

Epyrgis H.-Sch. = (*Callamesia* Butl.) (170), *E. trepsichrois* Butl. (171), DOHRN Stettiner ent. Ztg. 67.

Erasmia = (*Amesia* Westw.) (172), *lugens* Sumatra, *javana* Java, new forms, DOHRN (173) T.c.

Eucereon ockendeni, antonia, ignota, Peru, pallada Parana, (80), *sadana* Peru (81); DRUCE Ann. Mag. Nat. Hist. 18, spp. n.

Euclromia palewana Pelew islds., SWINHOE (403) Ann. Mag. Nat. Hist. 18, sp. n.

Euolea dolliana, cf. *Monoleuca spadiciis*.

Eulimacodes tersula Peru, DRUCE (90) Ann. Mag. Nat. Hist. 18, sp. n.

Eumenogaster notabilis var. n. *caurensis*, KLAGES (546) Washington U. S. Nation. Mus. Proc. 29.

Euprepia pudica Esp. ab. *flaveola* n., SCHULTZ Ent. Zs. Guben 20 1906 (26).

Euproctis monoplyes W. Africa, *cineta* Borneo, *icclomorpha*, (511), *hemibathes* Sumatra, *nessa* Uganda, *ridleyi*, (542), *humida* (543), Sumatra; SWINHOE Ann. Mag. Nat. Hist. 17, spp. n.—*E. epidela, epaxia*, Queensland, TURNER (125) Adelaide S. Aust. Trans. R. Soc. 30, spp. n.—*E. chrysorrhoea* ab. n. *nigrosignata*, BANDERMANN Ent. Zs. Guben 20 (97-98); natural history, FELT Albany N.Y. Bull. St. Mus. 103 (14-18) plates ii and viii-x.

Eupterote pulchra Nilgiri hills, SWINHOE (404) Ann. Mag. Nat. Hist. 18, sp. n.

Eurota elegans Paraguay, DRUCE (78) Ann. Mag. Nat. Hist. 18, sp. n.

Eutricha oveni Arizona, BARNES (62) Canad. Ent. 38, sp. n.

Fumea glaphyrella sp. n. Moroa, REBEL (297) Berliner ent. Zs. 50.

Gastroplakaeis maputuana sp. n. Westafrika, WICHGRAF Insektenbörse 23 (82).

Gloveria valens Arizona, DYAR (185) Brooklyn N.Y. Mus. Bull. 1, sp. n.

Gonopteryx u. *Thaumatopoea* Nomenclatur, STICHEL Insektenbörse Leipzig 23 1906 (100).

Gynautocera reducta, DOHRN (172) Stettiner ent. Ztg. 67.

Halisdota mincosa Peru, DRUCE (85) Ann. Mag. Nat. Hist. 18, sp. n.—*Halisdota agramma* Peru, DOGNIN (183) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Haploa confusa, lecontei, varr., breeding experiments; FOSTER Psyche 13 (29-32) pls. ii and iii.

Helictinidia bimaculata Brazil, DRUCE (85) Ann. Mag. Nat. Hist. 18, sp. n.

Hemihyalea hades Peru, DRUCE (408) Op. cit. 17, sp. n.

Hepialus virescens, not *Porina dimodes*, probably is host of the *Cordyceps* fungus; PHILPOT (175) Entomologist 1906.

Heterocampa ruficornis Arizona, DYAR (185) Brooklyn N.Y. Mus. Bull. **1**, sp. n.—*H. multilineata* (409), *elongata*, *striata*, (410), Peru; DRUCE Ann. Mag. Nat. Hist. **17**, spp. n.—*H. exsanguis* var. n., DYAR (197) Brooklyn Mus. Bull. **1**.

Heteropan fuscescens Sumatra and Borneo, DOHRN Stettiner ent. Ztg. **67** (182), sp. n.

Histia catobia, DOHRN (162) Stettiner ent. Ztg. **67**.

Histiaca monticola sp. n. Venezuela, KLAGES (538) Washington U. S. Nation. Mus. Proc. **29**.

Holocercus difficilis Afghanistan, pl. v f. 12, BANG-HAAS (143) D. ent. Zs. Iris **19**, sp. n.

Homococera trizona Venezuela, DOGNIN (178) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Hyaleucerea chapmani sp. n. Venezuela, KLAGES (552) Washington U. S. Nation. Mus. Proc. **29**.

Hyalospectra gen. n. *Drepanulidae*, *grisea* sp. n. New Guinea, WARREN (62) Nov. Zool. Tring **13**.

Hydrias onoba Peru, DRUCE (91) Ann. Mag. Nat. Hist. **18**, sp. n.

Hylesia terranea sp. n. Brazil, SCHAUS (93) Washington U. S. Nation. Mus. Proc. **30**.

Hyphantria cunea, habits, BERGER Washington D.C. Bull. U. S. Dept. Agric. Bur. Ent. No. **60** (41–51); food in Ohio and habits, BERGER Ohio Nat. **6** (453–456).

Hypogymna morio var. n. *natlyi* ♂ Ungarn, A. AIGNER Rovart. L. **13** (69–75).

Hypoplectis adpersaria life-history, LAMBILLION Bruxelles Mem. Soc. ent. Belgique **12** (99–104).

Hypoprepia dollii var. n., DYAR (194) Brooklyn Mus. Bull. **1**.

Ichoria semiopaca Brazil, DOGNIN (179) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Idalus marpessa, *syriassa*, *rhysa*, (407), *manora* (408), Peru, DRUCE Ann. Mag. Nat. Hist. **17**, spp. n.—*I. flavibrunnea* Peru, DOGNIN (181) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Imaus ochrias Queensland, TURNER (126) Adelaide S. Aust. Trans. R. Soc. **30**, sp. n.

Isbarta, the spp. and forms, DOHRN (164–168) Stettiner. ent. Ztg. **67**.

Ischnocampa farinosa Venezuela, DRUCE (83) Ann. Mag. Nat. Hist. **18**, sp. n.

Ixylasia kelleri sp. n. Venezuela, KLAGES (550) Washington U. S. Nation. Mus. Proc. **29**.

Janassa lignicolor var. n. *delicata*, DYAR (186) Brooklyn N.Y. Mus. Bull. **1**.

Laelia hemippa Machakos, SWINHOE (543) Ann. Mag. Nat. Hist. **17**, sp. n.

Lasiocampa pini in Schweden 1903 and 1904, MEWES Zs. Forstw. Berlin **38** (39–45).—*L. quercus* ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (520).—*L. josua* var. *vaucheri* (23) pl. ii figs. 4 and 5, BLANCHER Paris Ann. Soc. ent. **75**.

Lauron albiplaga sp. n. Brazil, SCHAUS (96) Washington U. S. Nation. Mus. Proc. **30**.

Lebeda peruviana Peru, DRUCE (413) Ann. Mag. Nat. Hist. **17**, sp. n.

Leiocampa dictacoides, retarded emergence, BANKES (41) Ent. Mag. London (42).

Lemonia dumi, DECKER Ent. Zs. Guben **20** (212–214); Ueberliegen der Puppen, HOFFMANN Ent. Zs. Guben **20** 1906 (53).—Nachtrag dazu v. A. Harsch T.c. (89–90); F. Hoffmann T.c. 1907 (257); Ei, DECKER Ent. Zs., Guben **20** (220); Zucht, BRETSCHNEIDER Ent. Zs. Guben **19** 1906 (197–199).—Weiteres darüber v. ARTHUR FRITZSCHE op. cit. **20** 1906 (3–4), u. F. HOFFMANN, T.c. (28–29); and KRÄHE Ent. Zs. Guben **19** (206–207).

Leucoma costalis Uganda SWINHOE (541) Ann. Mag. Nat. Hist. **17**, sp. n.

Levuana gen. n. *Zygaenidae* (343), *iridescens* sp. n. Fiji (344), BETHUNE-BAKER Ann. Mag. Nat. Hist. **18**.

Lymantria oberthuri Tunisie, LUCAS (26) pl. iii f. 6 Paris Ann. Soc. ent. **75**, sp. n.—*L. postfusca* Ceylon (546), *sin-gapura* Singapore (547); SWINHOE Ann. Mag. Nat. Hist. **17**, spp. n.—*L. dispar* ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (519).

Macrocneme affinis (539), *caurensis* (540), spp. n., Venezuela, KLAGES U. S.

Nation. Mus. Proc. 29.—*M. coerulescens* Venezuela, DOGNIN (180) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Macrothylacia rubi, Behandlung der Raupen vom., DECKER Ent. Zs. Guben 20.

Macrurocampa marthesia var. n. *miranda*, DYAR (185) Brooklyn N.Y. Mus. Bull. 1.

Maenas areoscapa Queensland, TURNER (118) Adelaide S. Aust. Trans. R. Soc. 30, sp. n.

Malacosoma neustria var. n. *unicolor* Ungarn., A. AIGNER Rovort. L. 13 (69–75).—*M. ab.*, A. AIGNER Ann. Hist.-Nat. Hung. 4 (519–520).—*M. inducta* var. n. DYAR (195) Brooklyn Mus. Bull. 1.—*M. castrensis*, hermaphrodite; AUEL Zs. wiss. Insektenbiol. 2 (354–356).

Mantruda gen. n. *Lymantriidae* (94), *erratica* sp. n. Venezuela (95), SCHAUS Washington U. S. Nation. Mus. Proc. 39.

Megalopyge pedacia Peru, DRUCE (414) Ann. Mag. Nat. Hist. 17, sp. n.

Mesothcn mysia, *flavicostata*, Peru; DRUCE, (77) Ann. Mag. Nat. Hist. 18, spp. n.—*M. aurantiaca* Peru, DOGNIN (178) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Methysia hilda Peru, DRUCE (79) Ann. Mag. Nat. Hist. 18, sp. n.

Microdota gen. n. *Arctianae*, *lenistriata* sp. n. Paraguay, DOGNIN (183) Bruxelles Ann. Soc. ent. Belgique 50.

Mitlochrista miniata aberratio flava, MEYER Insektenborse 23 (88).

Mimagyrt pulchella sp. n. Venezuela, KLAGES (534) Washington Nation. Mus. Proc. 29.

Miresa acallis Sumatra, SWINHÖE (548) Ann. Mag. Nat. Hist. 17, sp. n.

Monoleuca spadiceis sp. n. Arizona, GROSSBECK (289) Ent. News 17; but T.c. p. 392, is *Euclea dolliana*.

Napata venezuelensis sp. n. Venezuela, KLAGES (549) Washington U. S. Nation. Mus. Proc. 29.—*N. superba* Peru, DRUCE (79) Ann. Mag. Nat. Hist. 18, sp. n.

Natada amicta W. Africa, SWINHÖE (548) Ann. Mag. Nat. Hist. 17, sp. n.

Neonerita haemasticta Peru, DOGNIN (181) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Neoscapia albata R. and J. pl. iii f. 8, *aequalis* f. 7, JORDAN (761) Nov. Zool. Tring 13.

Notodonta ziezac-dromedarius, hybrid, PIERCE (122–124) fig. Entomologist 1906.

Nudaurclia belina-ukerevensis (97), *conradii* Victoria Nyanza sp. n.; REBEL (98) D. ent. Zs. Iris 19.—*N. ringleri* sp. n. West-afrika, WIONGRAF Insektenbörse 23 (83).—*N. dione-venus* subsp. n., REBEL D. ent. Zs. Iris 18, (273).

Ocha hedila, *meroma*, *patara*, Peru, DRUCE (92) Ann. Mag. Nat. Hist. 18, spp. n.

Onceroptyga gen. n. *Zygaenidae*, *anelia* sp. n. Queensland, TURNER (137) Adelaide S. Aust. Trans. R. Soc. 30, sp. n.

Opharus conspicuus, *domingona*, *cornelia*, (83), *sestia* (84), Peru; DRUCE Ann. Mag. Nat. Hist. ser. 7 18, spp. n.

Oreopsyche angustella bicolorella = (*Pyropsyche moncaunella* Chapin.), HEYLAERTS Bruxelles Ann. Soc. ent. Belgique 1906 (97–100).

Orcta patiens New Guinea, WARREN (62) Nov. Zool. Tring 13, sp. n.

Orygia nebulosa Walk., ♀, SWINHÖE (401) Ann. Mag. Nat. Hist. 18.

Ormiscodes? *nigrolinea* Peru, DRUCE (413) Ann. Mag. Nat. Hist. 17, sp. n.

Oxytenis nigropuncta (411), *naemia*, *leda*, (412), Peru, DRUCE T.c., spp. n.

Pachymeta gen. n. *Lasioleptidae*, for *contraria* Walk., AURIVILLIUS (8) Uppsala Arkiv. Zool. 3 No. 1.

Pantana droa Hong Kong, SWINHÖE (543) Ann. Mag. Nat. Hist. 17, sp. n.

Parajana gen. n. *Striptmopterygidae* (6), *lamani* sp. n. Congo (7), AURIVILLIUS Uppsala Arkiv. Zool. 3 No. 1.

Paramelisa gen. n. *Arctiidae*, *lophura* sp. n. Congo pl. i f. 2, AURIVILLIUS (13) T.c.

Parasa chapmani larva, AURIVILLIUS (11) f. 6 T.c.

Parasa chloris var. n. *huachuca*, DYAR (186) Brooklyn Mus. Bull. 1.

Parasa loxogramma to *Momopola*, TURNER (138) Adelaide S. Aust. Trans. R. Soc. 30.

Parasemia plantaginivis variation, Id. T.c. (239–241), and (616); abb. n. *flavi-*

pennis and *borussia*, SCHAWERDA (230, 231) Wien Verh. zool.-bot. Ges. 1906; ab. *hospita* A. AIGNER Ann. Hist.-Nat. Hung. 4 (528).

Pendria gen. n. *Lymantriidae* type *Redoa rinaria* Moore, SWINHOF (540) Ann. Mag. Nat. Hist. 17.

Pendria rotundata Nias isld., SWINHOF (405) Ann. Mag. Nat. Hist. 18, sp. n.

Perisomena caccigena, VOGT Ent. Zs. Guben 20 (148); WÜNSCHER Ent. Jahrb. Leipzig 15 1906 (112-113).

Perola antelia Peru, DRUCE (90) Ann. Mag. Nat. Hist. 18, sp. n.

Phassus eldorado sp. n. Süd-Amerika, PFITZNER D. ent. Zs. Iris Berlin 18 (276).

Phecada joanna sp. n. Guiana, SCHAUS (95) Washington U.S. Nation. Mus. Proc. 30.

Pheia lateralis sp. n. Venezuela, KLAGES (533) Washington U.S. Nation. Mus. Proc. 29.—*P. flavicincta* Tucuman, DOGNIN (178) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Philoros nora Peru, DRUCE (81) Ann. Mag. Nat. Hist. 18, sp. n.

Philotherma dentata Congo, AURIVILLIUS (8) Uppsala Arkiv. Zool. 3 No. 1, sp. n.

Phricodia baroma sp. n. hab?, SCHAUS (92) Washington U.S. Nation. Mus. Proc. 30.

Pitane evora Peru, DRUCE (86) Ann. Mag. Nat. Hist. 18, sp. n.

Poliopastea verdivittata sp. n., var. n. *fenestrata*, Venezuela KLAGES (541) Washington U. S. Nation. Mus. Proc. 29.

Pollanisus; valid, table of allies, TURNER (137) Adelaide S. Aust. Trans. R. Soc. 30.

Pompelon perakana Perak, SWINHOF (407) Ann. Mag. Nat. Hist. 18, sp. n.—*P. modesta* Sumatra, DOHRN (163) Stettiner ent. Ztg. 67, sp. n.

Porina dinodes cf. *Heptialus virescens*.

Porthesia acatharta Queensland, TURNER (124) Adelaide S. Aust. Trans. R. Soc. 30, sp. n.—*P. auriflua* larval hibernation, SMITS Feuille jeunes natural. 36 (135), and FRIONNET T.c. p. 152.—

P. similis ab., A. AIGNER Ann. Hist.-Nat. 4 (518).

Porthetria dispar, natural history, FELT Albany N.Y. Bull. St. Mus. 103 (7-14) pls. i and iii-vii.

Procrimima viridis Brazil, DRUCE (86) Ann. Mag. Nat. Hist. 18, sp. n.

Pseudaclytia major Peru, DRUCE (79) T.c., sp. n.

Pseudaphelia simplex Kongo, REBEL (224) Wien Verh. zool.-bot. Ges. 1906, sp. n.

Pseudargyroceides gen. n. *Syntomidae* (546), *caurensis* (547) sp. n. Venezuela, KLAGES U. S. Nation. Mus. Proc. 29.

Pseudonyctemera ficta sexes, DOHRN (180) Stettiner ent. Ztg. 67.

Pseudosphex aurifera (531), *caurensis* (532), Venezuela, spp. n., KLAGES Washington U. S. Nation. Mus. Proc. 29.

Pseudothymara gen. n. for *Pedoptila staudingeri* Rog., REBEL (380) Wien Verh. zool.-bot. Ges. 1906.

Philophora plumigera ab., AIGNER Ann. Hist.-Nat. Hung. 4 (518).

Ptychoglene ripena Bolivia, DRUCE (86) Ann. Mag. Nat. Hist. 18, sp. n.

Ramesa strigata Congo, AURIVILLIUS (7) Uppsala Arkiv. Zool. 3 No. 1, sp. n.

Ravigia arcifera sp. n. Texas, DYAR (200) Brooklyn Mus. Bull. 1.

Rebelia plumella H.-S., male structures, MELXNER Ent. Jahrb. 16 (125-128) 1 Taf.—*R. pectinella* valid, HEYLAERTS (99) Bruxelles Ann. Soc. ent. Belgique 50.

Rhodia fugax, metamorphosis (Japanese) NAWA Konchi. Sek. Gifu 10 1906 (277-279).

Rhodinia fugax, Zucht, EBNER Insektenbörse 23 (7-8, 10-11).

Rhynchopyga semirufa Peru, DRUCE (78) Ann. Mag. Nat. Hist. 18, sp. n.

Rhyparia purpurata, ab., AIGNER Ann. Hist.-Nat. Hung. 4 (528).

Rhyparoides metelkana, Biologie (101), CERRA Rovart. L. 13.

Robinsonia morula Peru, DRUCE (81) Ann. Mag. Nat. Hist. 18, sp. n.—*R. praphoca* Peru, DOGNIN (181) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Ruscino arida sp. n. Arizona, SKINNER (95) Ent. News 17.

Samia cecropia, natural history in Canada, GIBSON (149-152), MAUGHAN (189), Ottawa Natural, 20; Number of eggs, DAVIS Ent. News 17 (368-369).

Saturnia ockendeni Peru, DRUCE (411) Ann. Mag. Nat. Hist. 17, sp. n.—*S. pavonia* L., Zwitter, UFFELN D. ent. Zs. Iris Berlin 18 (278-279).—*S. pyri*, Einbürgerung in Lothringen, GOLTZ Ent. Zs. Guben 20 1906 (83-84).—Nachtrag dazu v. PREHN, T.c. (101); v. P. DEMUTH (110); v. ROBITZSCH (118); v. FRHR. v. d. GOLTZ, T.c. 1907 (263); *pyri* var. *abafii* ab., A. AIGNER Ann. Hist.-Nat. Hung. 4 (520); *S. pyri*, in Luxemburg, MÜLLENBERGER Ent. Zs. Guben 20 (111).

Saurita diaphana Peru (179), *lasi-plebia* Guiana (180), DOGNIN Bruxelles Ann. Soc. ent. Belgique 50, spp. n.—*S. anthracina* (537), *venezuelensis*, *thoracica*, (538), spp. n., KLAGES Washington U. S. Nation. Mus. Proc. 29.

Schizura errucata sp. n. Texas, DYAR (197) Brooklyn Mus. Bull. 1.

Sciathos roseipuncta Peru, DRUCE (408) Ann. Mag. Nat. Hist. 17, sp. n.—*S. metaleuca*, *semirufa*, Peru, DRUCE (89) Op. cit. 18, spp. n.

Sciopsyche auranticauda sp. n. Venezuela, KLAGES (549) Washington U. S. Nation. Mus. Proc. 29.

Selenephra lunigera und ab. *lobulina*, Zucht, HILLER Ent. Zs. Guben 19 (200).

Semiopila hilaris Deutsch-Ostafrika, REBEL (378) Wien Verh. zool.-bot. Ges. 1906, sp. n.

Semyra mariae sp. n. French Guiana, DYAR (30) New York J. Ent. Soc. 14.

Sphecosoma gracilis sp. n. Venezuela, KLAGES (532) Washington U. S. Nation. Mus. Proc. 29.

Spidia divisa Congo, ACRIVILLIUS (10) pl. i f. 3, Uppsala Arkiv. Zool. 3 No. 1, sp. n.

Spilosoma mendica ab., A. AIGNER Ann. Hist.-Nat. Hung. 4 (528).

Spingicampa heiligbrodtii early stages, KUNZE (131) New York J. ent. Soc. 14.

Stichobasis helicinoides, REBEL (297) Berliner ent. Zs. 50.

Syntomeida befana sp. n. Arizona SKINNER (379) Ent. News 17.

Syntomis libanotica Lebanon, BANG-HAAS (142) D. ent. Zs. Iris 19, sp. n.

Talis icelomorpha W. Australia, TURNER (90) Brisbane Proc. R. Soc. Queensland 19, sp. n.

Taragama aegyptiaca Port Said, BANG-HAAS (130) D. ent. Zs. Iris 19, sp. n.—*T. butiti* Africa, BETHUNE-BAKER (344) Ann. Mag. Nat. Hist. 18, sp. n.

Telea polyphemus, cocoons, KUNZE Ent. News 17 (177-179); FORBES Ent. News 17 (225).

Thyretia frigida Peru, DRUCE (406) Ann. Mag. Nat. Hist. 17, sp. n.

Thosea cinereomarginata sp. n. Philippines, BANKS Philippine J. Sci. 1 (229); early stages (216) pl. v figs. 1, 2, BANKS T.c.

Tolyte mintia sp. n. Florida, DYAR (195) Brooklyn Mus. Inst. Arts Sci. Bull. 1.—*T. nigrescens* Peru, DRUCE (91) Ann. Mag. Nat. Hist. 18, sp. n.

Trichura monstrabilis sp. n. Venezuela, KLAGES (542) Washington U. S. Nation. Mus. Proc. 29.

Triodia remota sp. n. Süd-Amerika, PRITZNER D. ent. Zs. Iris Berlin 18 (276).

Tuina cellona Peru, DRUCE (87) Ann. Mag. Nat. Hist. 18, sp. n.

Turuptiana tessellata Peru, DRUCE (85) T.c., sp. n.

Xanthospilopteryx zeodita sp. n. Kongostaat (127), NIEPELT Insektenbörse 23; pl. x f. 7, JORDAN (761) Nov. Zool. Tring 13.

Xyleutis eremonoma Queensland, TURNER (139) Adelaide S. Aust. Trans. R. Soc. 30, sp. n.

Zeuzera ramuscula sp. n. Texas, DYAR (200) Brooklyn Mus. Bull. 1.

Zygaena; DZIURZYNSKI Ent. Zs. Guben 19 (184-186); neue oder wenig bekannte Zygaenenformen, BURGEFF Ent. Zs. Guben 20 (153-154, 161-163).—*Z. carniolica* var. n. *klapaleki*, JOUKL Ent. Zs. Guben 20 1906 (18-20); var. n. *vangelii* Ungarn; A. AIGNER Rovart. L. 13 (69-75).—*Z. carniolica* ab. *jurassica* (21) pl. ii f. 1, *Z. jucunda pygmaeoides* ab. nov. (22), BLACHIER Paris Ann. soc. ent. 75.—*Z. ephialtes aeacus* results of

breeding, PICSZEK (12-14) Wien Verh. Zool. bot. Ges. 1906.

The following entries of *Bombyces* have appeared previously in the Zoological Record.

(*Adelocephala crispola isara* DOGNIN, Naturaliste 27 1905 (215) sp. n.)

(*Arpyia vinula* BALDUCCI, Firenze, Boll. Soc. Entom., 36, (117-122, con 1 tav.).)

(Gal, Jules. Pont du *Bombyx mori* (2° Note). Nîmes, Bul. soc. étude. sci. nat., 32, 1905, (68-71).—KELOGG, *Bombyx mori*, sexual characters, J. Exp. Zool. 1 1904 (601-605).)

(*Callimorpha*; variation, COVERDALE, Ent. News 16 (154).)

(*Dysauxes punctata* ab. (et var.?) *ragusaria*. ZICKERT, Fritz. Naturalista sicil. Palermo 17 1904 (97-98).)

(*Lasiocampa Josua* var. n. *vaucheri* BLANCHIER, Paris, Bul. soc. ent., 1905.)

(*Liparis chrysorrhea* HOULBERT, Rennes, Bul. soc. sci. méd., 14, 1905, (113-120, av. fig.).)

(*Lycomorphodes calopteridion* Brasil, JOANNIS, Paris Bul. soc. ent. 1904, (289-291), sp. n.)

(*Syntomis xanthura* (843), *choneutospila* (844), *chromatica* (845), *paradelpha* (846), *prosomoa* (850), spp. n., Australia, *heptespila melitospila dyschlaena* TURNER, Sydney N.S.W. Proc. Linn. Soc. 29.)

(*S. magistri* nom mut (= *Hydruta aperta* Meyrick not *H.a.p.* Wlk), TURNER, 29 (846) T.c.)

(*Themerastis amalopa*, Mulgrave River Queensland, TURNER Sydney. N.S.W. Proc. Linn. Soc. 29 (833), sp. n.)

(*Zygaena aurata* Maroc, BLANCHIER, Paris, Bul. soc. ent., 1905, sp. n.)

(*Zygaena jucunda segregata*, *carniolica jurassica* abb. n. BLANCHIER, Paris Bul. soc. ent. 1905 (52-54).)

NOCTUIDAE.

Cucullianae; descriptive catalogue of; HAMPSON Cat. Lep. phal. 6. No attempt is made below to deal with the large number of changes of generic position made in this work.

Acanthodica pamela sp. n. Brazil, SCHAUSS (105) Washington U. S. Nation. Mus. Proc. 30.

Acantholipes bilineata, *ochreovenata*, (264), *dinawa*, *aroa*, *hampsoni purpurascens*, *aroana*, (265), *alboserata*, *nigriplaga*, (266), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.—*A. coniochroa* Queensland, TURNER (121) Adelaide S. Aust. Trans. R. Soc. 30, sp. n.

Acontia aroa New Guinea, BETHUNE-BAKER (210) Nov. Zool. Tring 13, sp. n.

Acosmetia caliginosa, habits, SOREIBER (55-57) Regensburg Ber. natw. Ver. 9.

Acronyctinae: of Chemnitz, life-histories, PABST Ent. Jahrb. 15 (84-93).

Acronycta crenulata, *ekeikei*, *dinawa*, New Guinea, BETHUNE-BAKER (198) Nov. Zool. Tring 13, spp. n.—*A. leporina*, variation, GILLMER, Insektenbörse Leipzig 23 (118-120, 122-124); COCHRANE (100) Ent. Rec. 1906; melanic var., WILLSDON (97) with fig. Entomologist 1906; var. *melanocephala*, MANSBRIDGE (19 and 115) Entomologist London 29; varietal synonymy, PROUT (146, 147) Ent. Rec. 1906 and TUTT T.c. (147, 148).—*A. psi*, *tridens*, distinctions, CHAPMAN (34-37) 2 plates; London Trans. City Nat. Hist. Soc. 1906.—*A. schlumbergeri* sp. n. Schlesien, SCHULTZ (73) Ent. Zs. Guben. 20.

Adrapsa chartalis Sumatra, SWINHOE (550) Ann. Mag. Nat. Hist. 17, sp. n.

Adrocampa atomosa sp. n. Brazil, SCHAUSS (124) Washington U. S. Nation. Mus. Proc. 30.

Aedia melas, *costiplaga*, New Guinea, BETHUNE-BAKER (254) Nov. Zool. Tring 13, spp. n.

Agriopis pryeri (321) pl. civ. f. 4, HAMPSON Cat. Lep. phal. 6.

Agrotis sturanyi Crete, REBEL (232) Wien Verh. zool.-bot. Ges. 1906, sp. n.—*A. spania* Tien-schan (84), *semna* Aschabad, *neara* Merw, (85), *orplina* Turkestan (86), spp. n., PÜNGELER D. ent. Zs. Iris 19.—*A. tamerlana* pl. v f. 4, *denticulosa* var. n. *crimaea*, (131); *sanct-moritzii* Switzerland (132) pl. v f. 17, *oranaria* Algeria (133) f. 9, spp. n. BANG-HAAS D. ent. Zs. Iris 19.—*A. reda* sp. n. Nelson (511) pl. xlv. f. 3, HOWES Wellington Trans. N. Zeal. Inst 38.—

A. canariensis arefacta var. n., REBEL (27) Wien Ann. Nat. Hist. Hofmus. 21.—*A. evermanni* in Finland, nec *A. collina*, POPPIUS (12) Medd. Soc. Fauna Fl. Fenn. 32.—*A. pronuba* ab., A. AIGNER, Ann. Hist. Nat. Hung. 4 (520).—*A. ashworthii* var., MANSBRIDGE (46–49) Southport Rep. Lancash. Chesh. ent. Soc. 30.—*A. forcipula* Hb. var. n. *helladica*, REBEL Berliner ent. Zs. 50 (294).—*A. Raupe*, SARTORIUS Ent. Zs. Guben 20 (93–94).—*A. interjecta*, Ei und Raupe, GILLMER Ent. Zs. Guben 19 (200–202).—*A. constanti*, natural history, CHRÉTIEN (262) Naturaliste 1906.—*A. ypsilon*, Rott. Egypt, WILLCOCKS Cairo Yrbk. Khed. Agric. Soc. 1905 (93–103) pl. iv.

(*Agrotis (Episilia) faceta*: Entwicklungsgeschichte. PÜNGELER, Rudolf. Naturalista sicil. Palermo 17 N. 4 1904 (65–67).)

Alabama kebea New Guinea, BETHUNE-BAKER (221) Nov. Zool. Tring 13, sp. n.

Amathes phaeosoma Punjab (488) pl. cvii f. 5, sp. n.; *vitzemanni* (471) f. 32, *rupicapra* (473) pl. cvi f. 31, *scabra* (476) pl. cvi f. 32, *verberata* (480) pl. cvii f. 1, *bicolorago* (481) f. 2, *gratiosa* (484) f. 3, *deleta* (486) f. 4, *purpurea* (489) f. 6, *puta* f. 7, *ralla* f. 8, (490), *inops* f. 9, *decipiens* f. 10, (491), HAMPSON Cat. Lep. phal. 6.

Anephana gen. n. type *Cleophana anavihini* Dup., HAMPSON (107) T.c.

Ammetopa gen. n. type *Metopoceras Oberth.*, HAMPSON (120) T.c.

Ammoconia caecimacula, melanismus, WISKOTT pl. x f. 14 (331) D. ent. Zs. Iris 18.

Amphigonina brunnea sp. n. Venezuela, SCHAUS (112) Washington U. S. Nation. Mus. Proc. 30.

Amphipyra bicolora New Guinea, BETHUNE-BAKER (191) Nov. Zool. Tring 13, sp. n.

Anyra poliasis sp. n. Punjab, HAMPSON (470) Bombay J. Nat. Hist. Soc. 17.

Anartomorpha didonta sp. n. Lob-Noor, PÜNGELER D. ent. Zs. Iris 19 (80).—*A. flavescens* Tibet, HAMPSON (486) pl. xxxvi f. 3 London Proc. Zool. Soc. 1906, sp. n.

Ancaroides kebea (196), *griseola* (197), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, sp. n.

Andesia gen. n. *Cucullianae*, *oenistis* sp. n. Argentina, HAMPSON (142) Cat. Lep. phal. 6.

Antitype calamistis sp. n. Kashmir (365) pl. civ f. 28; *rebecca* (358) f. 24, *manisadjiani* (361) f. 25, *subvenusta* f. 26, *mittina* f. 27, (364), *apora* (366) f. 29, *illecebrosa* (368) f. 30, *hostilis* (370) f. 31, *jonis* (371) f. 32; HAMPSON T.c.—*Antitype (Polia) hostilis* Aschabad (92), *illecebrosa* Kuku-Noor (93), *subvenusta* Jerusalem, (94), spp. n., PÜNGELER D. ent. Zs. Iris 19 (92–94).

Apatela funeralis, larva, DYAR Ent. News 17 (69).

Aplecta nebulosa var. *thompsoni*, ARKLE (115) Entomologist 1906; variation in Britain, SOUTH (75, 76) pl. v Entomologist 1906.

Aplectoides (Agrotis) propitia sp. n. Kuku-Noor, PÜNGELER D. ent. Zs. Iris 19 (89).

Aporophyla australis var. n. *albidior*, BANG-HAAS (134) D. ent. Zs. Iris 19.

Argyroglea gen. n. for *Noctua argentea* Hüfn., HAMPSON (81) Cat. Lep. phal. 6.

Argyromata gen. n. for *Phalaena splendida* Cr., HAMPSON (82) T.c.

Aristaria orizabalis (124), *picatalis* Mexico, *trinitalis* Trinidad, *conspicua* Brazil, (125), *bocantis* Mexico, *ricalis* Costa Rica, *aztecalis*, (126), *stolalis* (127), Mexico, spp. n., SCHAUS Washington U. S. Nation. Mus. Proc. 30.

Aroana gen. n. *Pocillinae* (280), *olivacea*, *rubra*, spp. n., New Guinea, (281), BETHUNE-BAKER Nov. Zool. Tring 13.

Atethmia pampina (493) pl. cvii f. 11, HAMPSON Cat. Lep. phal. 6.

Athaumasta gen. n. type *Eumichtis expressa* Led., HAMPSON (380) T.c.

Austramathes gen. n. for *Graphiphora purpurea* Batl., HAMPSON (492) T.c.

Azioteta rufa, *turneri*, *babooni*, *obliqua*, (278), *concolora*, *flava*, (279), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.

Bagada dinavra (208), *fuscostrigata*, *incertissima*, *nigrostrigata*, (209), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, sp. n.

Baniana costiplaga New Guinea, BETHUNE-BAKER T.c. (264), **sp. n.**

Barasa griseola (221), *pura*, *nigrescens*, (222), New Guinea, BETHUNE-BAKER T.c., **spp. n.**

Barathra curialis life - history, FLETCHER and GIBSON (381-384) pl. iv Canad. Entomol. **38.**

Batyra **gen. n.**, *onesalis*, *francalis*, Brazil, **spp. n.**, SCHIAUS (130) Washington U.S. Nation. Mus. Proc. **30.**

Bendis mascara (114), *thara* (115), Brazil, **spp. n.**, SCHIAUS T.c.

Berresa rufa, *meeki*, New Guinea, BETHUNE-BAKER (199) Nov. Zool. Tring **13**, **spp. n.**

Bertula invenusta ♀; *B. similalis* Sumatra, SWINHOE Ann. Mag. Nat. Hist. **17** (551), **sp. n.**

Melina nigrans (222) with *ab. varians* (223), *viridata*, *babooni*, *smaragdina*, (223), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13**, **spp. n.**

Blapharidia costalis (396) pl. cv f. 15, *paspa* (397) f. 16, *dianthocina* (398) f. 17, *conspicua* (399) f. 18, HAMPSON Cat. Lep. phal. **6.**

Bleptina delosticha Sumatra, SWINHOE (552) Ann. Mag. Nat. Hist. **17**, **sp. n.**

Bleptina candalis (121), *clara*, Brazil, *margotialis* hab. ? (122), **spp. n.**, SCHIAUS Washington U. S. Nation. Mus. Proc. **30.**

Bombycia curvifascia (217) pl. ci f. 28, HAMPSON Cat. Lep. Phal. **6.**

Bomolocha lutealba **sp. n.** N. America, SMITH (29) New York J. Ent. Soc. **14.**

Bobotana kebeae, *ekeikei*, (207), *dinawa* (208), New Guinea, BETHUNE-BAKER Nov. Zool. Tring **13**, **spp. n.**

Borsippa punctilinea Hamp. to Aramuna; *B. macoma* Khasia hills, (410), *calihula* Borneo (411), **spp. n.**; SWINHOE Ann. Mag. Nat. Hist. **18.**

Bracharthron melanostratum, Queensland, TURNER (124) Adelaide S. Aust. Trans. R. Soc. **30**, **sp. n.**

Brachionyche borealis (204) pl. ci f. 17, HAMPSON Cat. Lep. phal. **6.**

Brachycoxia **gen. n.** for *Anchocelis digitata* Gr., HAMPSON (496) T.c.

Brachygalea **gen. n.** *Cucullianae*, *leucorhabda* **sp. n.** Algeria, HAMPSON (8) T.c.

Brachylomia **gen. n.** type *Cleoceris populi* (220), *rectifascia* (221) pl. ci f. 29; HAMPSON T.c.

Bryomima fallax California (388) pl. cv f. 8, *muscosa* Washington Terr. (392) f. 13, **spp. n.**; *johanna* (387) f. 7, *extreta* (389) f. 9, *tennicornis* f. 10, *chamaeleon* f. 11, (390), *virescens* (391) f. 12, *pulverulenta* (392) f. 14, *chrysylectra* (394) pl. cviii f. 4; HAMPSON T.c.

Bryophila muralis, *raptricula* Zucht GAUCKLER Insektenbörse Leipzig **23** (127-128).—*B. avirida* **sp. n.** Colorado, SMITH (10) New York J. Ent. Soc. **14.**

Bryotype **gen. n.** type *Euplexa mesomelana* Hamps., HAMPSON (382) Cat. Lep. phal. **6.**

Buzara calodesma R. & J. pl. iii f. 4, JORDAN (761) Nov. Zool. Tring **13.**

Caffristis **gen. n.** type *Heliophobus ferrogrisea* Hamps., HAMPSON (227) Cat. Lep. phal. **6.**

Callingura kebeae New Guinea, BETHUNE-BAKER (227) Nov. Zool. Tring **13**, **sp. n.**

Callyna biplagiata (217), *fuscantaria* (218), New Guinea, BETHUNE-BAKER Nov. Zool. **13**, **spp. n.**

Calophasia craussi (127) pl. xcix f. 10, *hamifera* (128) f. 11, HAMPSON Cat. Lep. phal. **6.**—*C. albolineata* Bl. (24) pl. ii f. 3, BLACHIER Paris Ann. Soc. ent. **75.**

(*Calophasia albolineata* BLACHIER, Paris Bul. Soc. ent. **1905**, **sp. n.**—*C. adamantina* BLACHIER, T.c. **sp. n.**)

Calymnia trapezina *ab. badiofasciata* Teich, SLEVOGT Insektenbörse **23** (36).

Campometra protea (234), *pareasa* (236), Arizona, SMITH Canad. Entomol. **38**, **spp. n.**

Canthylidia cf. *Melicleptria*.

Capnodes brunnea Sumatra, SWINHOE (550) Ann. Mag. Nat. Hist. **17**, **sp. n.**—*C. costiplaga*, *minuta*, New Guinea, BETHUNE-BAKER (284) Nov. Zool. Tring **13**, **spp. n.**—*C. virginea* **sp. n.** Brazil, SCHIAUS (114) Washington U. S. Nation. Mus. Proc. **30.**

Capotena albicosta, *subflava*, (240), *albotessellata* (241), New Guinea, BETHUNE-BAKER Nov. Zool. **13**, **spp. n.**

Caradrina hispanica la Granja, MABILLE (31) pl. iii f. 1 Paris Ann. Soc. ent. 75, sp. n.—*C. subpartita*, *unipunctata*, *funerea*, *insignifica*, (201), *gemini*, *crenulata*, *pratti*, (202), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.—*C. exigua*, natural history; MAXWELL-LEFROY Agric. res. Inst. Pusa 1 (338-350) pl. xxiii; and Agric. J. India 1 pt. 4, pl. xxiii; in Egypt, WILLCOCKS Cairo, Yrbk. Khed. Agric. Soc. 1905 (104-115) pl. iv.

Carbona gen. n., *obscura* sp. n. Brazil, SCHAU (102) Washington U. S. Nation. Mus. Proc. 30.

Carea parallelaria, *unipunctata*, *flava*, (242), *pratti* (243), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.

Careades gen. n. near *Carea*, *sanguinea*, (243), *ekeikei*, *falcataria*, *fulva*, (244), *obliqua*, *subrubra*, *rubricosa*, (245), spp. n., New Guinea, BETHUNE-BAKER T.c.

Caroga gen. n., *costalis* sp. n. Brazil, SCHAU (110) Washington U. S. Nation. Mus. Proc. 30.

Casandria chirica sp. n. Mexico, SCHAU (108) T.c.

Catada obscura Ile Maurice, JOANNIS (175) pl. ix f. 7 Paris Ann. Soc. ent. 75, sp. n.—*C. acrospila* Queensland, TURNER (123) Adelaide S. Aust. Trans. R. Soc. 30, sp. n.—*C. acholi* Uganda, BETHUNE-BAKER (344) Ann. Mag. Nat. Hist. 18, sp. n.—*C. rufostriata*, (251), *alboplagiata*, *mediogriseata*, *dinawa*, (252), *pulchrostriata*, *splendens*, *hampsonia*, (253), New Guinea, BETHUNE-BAKER, Nov. Zool. Tring 13, spp. n.—*C. alchemista* ab. *varia* Chr. pl. x f. 13, (331), D. ent. Zs. Iris 18.

Catocala dinawa New Guinea, BETHUNE-BAKER (246) Nov. Zool. Tring 13, sp. n.—*C. fraxini* ab. *contigua* n. & *angustata* n., *electa* ab. *excellens* n., *nupta* ab. *mutilata* n., *elocata* ab. *lais* n. & ab. *flavicans* n., *sponsa* ab. *desponsa* n., *promissa* ab. *obsoleta* n., *puerpera* ab. *genetrix* n., *nymphagoga* ab. *curvifasciata* n. & ab. *nubilosa* n., *hymenaea* ab. *connexa* n., *diversa* ab. *umbrata* n., SCHULTZ Ent. Zs. Guben 20 (86-87, 94-95, 100-101).—*C. dilecta*, *electa*, *elocata*, *nupta*, *abb.*; A. AIGNER Ann. Hist.-Nat. Hung. 7 (522-523).—*Catocala* spp., habits, ROWLEY Ent. News 17 (231-234).—Zucht, БОНАТСЧЕК Ent.

Zs. Guben 19 (216-217).—Colour protection, KUSNEZOV Biol. Centralbl. 26 (116-124).

Celaena matura ab., A. AIGNER Ann. Hist.-Nat. Hung. 4 (521).

Cerma marina Arizona, SMITH (226) Canad. Entomol. 38, sp. n.

Ceromaera babooni, *ekeikei* (234), *dinawa*, *purpurea*, *aroa*, (285), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.

Chamina choria sp. n. Brazil, SCHAU (115) Washington U. S. Nation. Mus. Proc. 30.

Charadra ingenua sp. n. Colorado, SMITH (13) New York J. Ent. Soc. 14.

Cheligalea gen. n. type *Cucullia scopariae*, HAMPSON (13) Cat. Lep. phal. 6.

Chloridea nanna Tibet, HAMPSON (487) pl. xxxvi f. 1 London Proc. Zool. Soc. 1906, sp. n.—*C. obsoleta* larva, PIEPERS (30) 's Gravenhage Tijdschr. Ent. 49.

Cirphis (*Leucania*) *propensa* sp. n. Ili-Gebiet, PÜNGELER D. ent. Zs. Iris 19 (91).—*C. loreyi* larva (38), *hamifera* larva (39), *yu* larva (41), PIEPERS 's Gravenhage Tijdschr. Ent. 49.

Cirrhoedia xerampelina, in Lothringen, DIETZE Ent. Zs. Guben 20 (221).

Cleophana gafsana Bl. (24) pl. ii f. 2, BLACHIER Paris Ann. Soc. ent. 75.—*C. pectinicornis* (99) pl. xcix f. 2, *opposita* (101) f. 3, *disfluens* (102) f. 4, *marocana* (104) f. 5, HAMPSON Cat. Lep. phal. 6.

(*Cleophana gafsana*, BLACHIER, Paris Bul. soc. ent. 1905, sp. n.)

Cletthara multilinea New Guinea, BETHUNE-BAKER (224) Nov. Zool. Tring 13, sp. n.

Coenipeta glaucoides Amazons (116), *laurena* Guiana, *medalba* Brazil, (117), *umbrata* musa, (119), *subocellata*, *subvaria*, (119), Guiana, *albidentina* Brazil, (120); spp. n., SCHAU Washington D.C., U. S. Nation. Mus. Proc. 30.

Conistra eriophora (445) pl. cvii f. 31, *acutula* (451) pl. cvi f. 15, *politina* (452) f. 16, *ardescens* (455) f. 17, *albipuncta* (456) pl. cvii f. 30, *inulta* (460) pl. cvi f. 18, *viatica* (461) f. 19, *signata* f. 20, *tristigmata* f. 21, (462), *valceri* (463) f. 22, *sidus* f. 23, *colorado* f. 24, (464),

morrisoni f. 25, *devia* f. 26, (465), *indirecta* f. 27, *moffatiana* f. 28, (466), *pettiti* (467) f. 29, *ceromatica* (468) f. 30, HAMPSON Cat. Lep. phal. 6.

Conservula cinisigma Ille Maurice, JOANNIS (170) pl. ix f. 2 Paris Ann. Soc. ent. 75, sp. n.

Contortivena gen. n. *Focillinae*, *umbrosa* sp. n. New Guinea, BETHUNE-BAKER (283) Nov. Zool. Tring 13.

Cophanta chrysarginea sp. n. Brazil, SCHAUSS (105) Washington D.C. U. S. Nation. Mus. Proc. 30.

Copicucullia antipoda (9) pl. xcvi f. 16, *astigma* (11) f. 17, *syrhana* f. 18, *naruenensis* f. 19, (12), *sublutea* f. 20 (13); HAMPSON Cat. Lep. Phal. 6.

Copipanolis borealis pl. ci f. 24, *fasciata* f. 25, (214), HAMPSON, T.c.

Copiphana gen. n. type *Cleophana olivana* H.-S., *gassana* sp. n. Tunis, C. oliva St. pl. xcix f. 1, HAMPSON (95) T.c.

Copitarsia gen. n. type *Polia turbata* H.-S. (183), *patagonica* sp. n. Andes (185) pl. c f. 30; *humilis* f. 27, *consuetu* f. 28, (183), *naeniodes* (185) f. 29, *purilinea* (186) f. 31; HAMPSON T.c.

Copitype gen. n. for *Dasypolia pagodae* Alph., HAMPSON (206) T.c.

Corgatha argillacea Ille Maurice, JOANNIS (173) pl. ix f. 5 Paris Ann. Soc. ent. 75, sp. n.—*C. bipunctata*, *pulchra*, (213), *albolineata*, *mediopallens*, *nigropunctata*, (214), New Guinea, BETHUNE-BAKER Nov. Zool. Tring. 13, spp. n.

Corubia gen. n., *testacea* sp. n. Brazil, SCHAUSS (109) Washington U. S. Nation. Mus. Proc. 30.

Oscaga gen. n., *angulata* sp. n. Mexico, SCHAUSS (131) T.c.

Cosmia siphunculata Mongolia (499) pl. cvii f. 12, *cypreago* Cyprus (506) f. 14, *distigmata* (509) f. 19, *approximata* (511) f. 22, India, *andesica* Argentina (517) pl. cviii f. 8, spp. n.; *C. tunicata* (503) pl. cvii f. 13, *vulpecula* f. 15, *rectilineata* f. 16, (507), *ledereri* (508) f. 17, *melonina* (509) f. 18, *albosignata* (510) f. 20, *pulchella* (511) f. 21, *edenata* f. 23, *divergens* f. 24, (512); HAMPSON Cat. Lep. phal. 6.—*C. bisignata* sp. n. Madras, HAMPSON (476) Bombay J. Nat. Hist. Soc. 17.—*C. inconspicua* New Guinea, BETHUNE-BAKER (210) Nov. Zool. Tring 13, sp. n.

Cosmophila ochreifusa Sumatra, SWINHORE (408) Ann. Mag. Nat. Hist. 18, sp. n.—*C. kebecensis*, *aroca*, *angulata*, (236), *subpurpurea*, *ckeki*, *mafalin*, (237), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.

Crenularia gen. n. *Focillinae*, *concolor* sp. n. New Guinea, BETHUNE-BAKER (282) T.c.

Crioa lophosoma Brisbane, TURNER (121) Adelaide S. Aust. Trans. R. Soc. 30, sp. n.

Criophasia gen. n. *Cucullianae*, *albolineata* sp. n. Tunis, HAMPSON (122) Cat. Lep. phal. 6.

Cteipolia acrophila Kashmir, HAMPSON (421) T.c., sp. n.

Cucullia strigata (15) pl. xcvi f. 21, *brucei* (16) f. 22, *solidaginis* (17) f. 23, *albida* (18) f. 24, *albipennis* (26) f. 25, *brunnea* (30) f. 27, *graseri* (31) f. 28, *generosa* (34) f. 29, *embolina* (35) f. 30, *duplicata* (36) f. 31, *hemidiaphana* (39) f. 32, *nigrifascia* pl. xcvi f. 1, *retracta* (40) f. 2, *clausa* (42) pl. xcvi f. 3, *extricata* (46) f. 6, *distinguenda* (47) f. 7, *terrensis* (48) pl. xcvi f. 21, *dentilinea* (49) pl. xcvi f. 8, *dorsalis* (51) f. 9, *speyeri* (51) f. 10, *lactifica* (52) f. 13, *buddha* (53) f. 14, *minuta*, (55) f. 15, *pullata* (56) pl. xcvi f. 11, *tecca* (57) f. 16, *intermedia* (60), *cinderella* f. 18, *griseocens* f. 12, (61), *montana* f. 19, *flore* f. 20, (63), *brevipennis* (66) f. 21, *lilacina* (67) pl. xcvi f. 1, *bistriga* pl. xcvi f. 20, *asteroides* pl. xcvi f. 2, (68), *postera* (69) f. 3, *obscurior* (70) f. 4, *similaris* f. 5, *arizona* f. 6, (71), *perstrigata* nom. n. for *strigata* Schaus f. 7, *convexipennis* f. 8, (72), *stigmatophora* (73) f. 9, *serophulariphila* (75) f. 10, *anceps* (77) pl. xcvi f. 11, *oribae* pl. cviii f. 1, *agua* f. 2, (516) *leucopis* Cape, colony (28) pl. xcvi f. 26, *rufescens* pl. xcvi f. 4, *perstriata* f. 5, (42), E. Africa, spp. n.; HAMPSON Cat. Lep. phal. 6.—*C. embolima* Kuku-Noor, C. tecca Aschabad, PÜNGELER D. ent. Zs. Iris 19 (96), spp. n.

Cyathissa quadrata, *ochracea*, Arizona, SMITH (225) Canad. Entomol. 38, spp. n.

Cyclodes pulchra New Guinea, BETHUNE-BAKER (254) Nov. Zool. Tring 13, sp. n.

Daseuplexia **gen. n.** type *Luperina lagenifera* Moore, HAMPSON (303) Cat. Lep. phal. 6.

Dasyptolia mitis **sp. n.** hab.?, PÜNGELER D. ent. Zs. Iris 19 (95).—*D. ferdinandi* (424) pl. cvi f. 3, HAMPSON Cat. Lep. phal. 6.

Dasytsterium cristicum **sp. n.** Turkestan, PÜNGELER D. ent. Zs. Iris 19 (94).—*D. juditha* pl. cv f. 28, *bacheri* f. 29, (408), *haeretica* (409) f. 30, *eristica* (410) f. 31, HAMPSON Cat. Lep. phal. 6.

Dasythorax poliana (426) pl. cvi f. 4, *anartina* f. 5, *hirsutula* f. 6, (427), *hirsuta* f. 7, *rasisilis* f. 8, (428), HAMPSON T.c.

Dendrothripa venalis New Guinea, BETHUNE-BAKER (226) Nov. Zool. Tring 13, **sp. n.**

Derthisa amasina Asia minor **sp. n.** (232) pl. cii f. 2; *sareptana* (229) f. 1; HAMPSON Cat. Lep. phal. 6.

Deva multicolora New Guinea, BETHUNE-BAKER (271) Nov. Zool. Tring 13, **sp. n.**

Dierna lilacea New Guinea, BETHUNE-BAKER (286) T.c., **sp. n.**

Diamuna haenschi **sp. n.** Ecuador, (275), DOHRN Stettiner ent. Ztg. 67 (275-276).

Dichonia obliquisigna (294) pl. ciii f. 17, HAMPSON Cat. Lep. phal. 6.

Dinumma hades, mediobrunnea, New Guinea, BETHUNE-BAKER (217) Nov. Zool. 13, **spp. n.**

Dipterygia kebeae, babooni, New Guinea, BETHUNE-BAKER (197) T.c., **spp. n.**

Diplthera imray **sp. n.** Travancore, HAMPSON (471) Bombay J. Nat. Hist. Soc. 17.—*D. kebeae* New Guinea, BETHUNE-BAKER (203) Nov. Zool. Tring 13, **sp. n.**

Dipteroides **gen. n.** *Acontiinae*, *kenricki* (203), *serrata* (204), **spp. n.**, New Guinea, BETHUNE-BAKER T.c.

Discestra (Mamestra) vaciva **sp. n.** III-Gebiet, PÜNGELER D. ent. Zs. Iris 19 (90).

Dissoloplus oclraceus New Guinea, BETHUNE-BAKER (200) Nov. Zool. Tring 13, **sp. n.**

Disticta hampsoni, tornopunctata, (277), *kebea* (278), New Guinea; BETHUNE-BAKER T.c., **spp. n.**

Doryodes elongata **sp. n.** Brazil, SCHAUS (109) Washington U. S. Nation. Mus. Proc. 30.

Dryotype **gen. n.** type *Dryobota spina* Gr., HAMPSON (228) Cat. Lep. phal. 6.

Earias uniplaga, rufopunctata, novoguineana, New Guinea, BETHUNE-BAKER (219) Nov. Zool. Tring 13, **spp. n.**—*E. insulana* Egypt, WILLCOCKS Cairo Yrbk. Khed. Agric. Soc. 1905 (57-91), pls. ii & iii.

Eecleta; definition amended, TURNER (120) Adelaide S. Austr. Trans. R. Soc. 30.

Egnasia mesotypa Khasia hills, SWINHAE Ann. Mag. Nat. Hist. 17, **sp. n.**—*E. delicata, chloroplaga*, (279), *dinawa* (280), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, **spp. n.**

Elusa dinawa, incertans, pratti, New Guinea, BETHUNE-BAKER (200) T.c., **spp. n.**

Empusada **nom. n.** for *Empusa* Hübn. (85); *argentivitta* Basutoland (87) pl. xcviii f. 14, *pyrostroma* Transvaal f. 15, *ruficeps* Madagascar f. 16, (88), **spp. n.**; *argyrina* (86) f. 12, *hutchinsoni* (87) f. 13, *chrysota* f. 17, *pallidistria* f. 18, (88), *sabulosa* (90) f. 19; HAMPSON Cat. Lep. phal. 6.

Epa **gen. n.** (192), *pratti* **sp. n.** New Guinea, (193), BETHUNE-BAKER Nov. Zool. Tring 13.

Epidemas melanographia Canada **sp. n.** (215) pl. ci f. 26; *obscura* (216) f. 27; HAMPSON Cat. Lep. phal. 6.

Epiglaea apiata pl. cvi f. 11, *contracta* f. 12, (433), HAMPSON T.c.

Episema glaucina var. *dentimaculata*, et. ab. *tersina*, abb., A. AIGNER Ann. Hist.-Nat. Hung. 4 (520-521).

Episilia (Agrotis) paneta Alexander-gebirge (86), *leana* (87), *thapsina*, Fergana, *psammia* Aschabad, (88), **spp. n.**, PÜNGELER D. ent. Zs. Iris 19.—*E. astigmata* Tibet, HAMPSON (489) pl. xxxvi figs. 4 and 5 London Proc. Zool. Soc. 1906, **sp. n.**

Episparis angulatilinea New Guinea, BETHUNE-BAKER (268) Nov. Zool. Tring 13, **sp. n.**

Epizeuxis (Helia) calvaria Zucht, OERTEL Ent. Zs. Guben 20 (89); Weiteres dazu, Richard GILARDON, T.c. (101).

Erastria ferrimacula sp. n. Khâsis, HAMPSON (472) Bombay J. Nat. Hist. Soc. 17.

Ercheia certa, *ekeikei*, *styx*, (248), *kebea* (249), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.

Eriopyga griseirena sp. n. hab.?, SCHAUSS (96) Washington U. S. Nation. Mus. Proc. 30.

(*Eriopyga brachia* Brazil, JOANNIS, Paris Bul. soc. ent. 1904, sp. n.)

Erygansa gen. n. *Quadrifinae*, *kebea*, *avola*, (246), *kebeensis* (247), spp. n., New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13.

Eublemmoides gen. n., *dinawa* sp. n. New Guinea, BETHUNE-BAKER (212) T.c.

Eulidia munita, BARTEL Ent. Zs. Guben 20 (116-117).

Eudipna templada sp. n. Mexico, SCHAUSS (97) Washington U. S. Nation. Mus. Proc. 30.

Euglyphia proserpina Peru, DRUCE (94) Ann. Mag. Nat. Hist. 18, sp. n.

Eugorna alboarcuata New Guinea, BETHUNE-BAKER (269) Nov. Zool. Tring 13, sp. n.

Eumichtis tenerifica Canary islds. (326) pl. cviii f. 5, *melanodonta* Japan (327) pl. civ f. 6, *mesophaea* Victoria (343) f. 15, *rubrimixta* Africa (347) f. 18, spp. n.; *muscosa* (322) f. 5, *adjuncta* (328) f. 7, *sepultrix* (333) f. 8, *venusta* (334) f. 9, *ducta* (335) f. 10, *versuta* (336) f. 11, *contermina* (340) f. 12, *intermissa* (341) f. 13, *saliaris* (342) f. 14, *extima* (343) f. 16, *maida* (344) f. 17, *lama* pl. cviii f. 6, *concina* f. 7, (516); HAMPSON Cat. Lep. phal. 6.

Eupanychis camina sp. n. New Hampshire, SMITH (28) New York J. Ent. Soc. 14.

Euplexia leprodicta Ceylon, *riveifera* Simla, HAMPSON (469) Bombay J. Nat. Hist. Soc. 17, spp. n.—*E. viridacea*, *smaragdina*, *dinawa*, New Guinea, BETHUNE-BAKER (195) Nov. Zool. Tring 13, spp. n.—*E. adamantina* Melbourne, TURNER (120) Adelaide, S. Aust. Trans. R. Soc. 30, sp. n.

Empsilia tripunctata (436) pl. cvii f. 27, *quadritinea* f. 28, *strigifera* pl. cvi f. 13, (438), HAMPSON Cat. Lep. phal. 6.

(N-9720 j)

Eurois dinawa New Guinea, BETHUNE-BAKER (196) Nov. Zool. Tring 13, sp. n.

Eurotype gen. n. type *Pachypolia acutissima* Gr. (289), *medialis*, (290) pl. ciii f. 15, *confragosa* (291) f. 16, HAMPSON Cat. Lep. phal. 6.

Eustrotia geoga sp. n. Mexico, SCHAUSS (103) Washington U. S. Nation. Mus. Proc. 30.

Eutelia hampsoni, *mediofusca*, *oliveceiplaga*, (228), *dinawa*, *kebeae*, *albicomma*, (229), *purpureonigra*, *viridata*, *delectoides*, (230), *ochreiplaga* (231), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.

Eutotype bombyciformis (210) pl. ci f. 20, *depilis* f. 21, *graudis* f. 22, (211), *damalis* (212) f. 33, HAMPSON Cat. Lep. phal. 6.

Euxoa (*Agrotis*) *clauda* nom. n. für *subdecora* Hamps. nec Stgr., *moechilla* Turkestan, (81), *cucuma* Kuku-Noor, *seditiosa* Fergana, (82), *privigna* Turkestan (83), *eniza* Fergana (84), spp. n., PÜNGELER D. ent. Zs. Iris 19 (81-84).—*E. claremonta* sp. n. California, SMITH (11) New York J. Ent. Soc. 14.—*E. esta* British Columbia, SMITH (227) Canad. Entomol. 38, sp. n.—*E. interjectionis* larva, PIEFERS (32) 's Gravenhage Tijdschr. Ent. 49.

Exyra dinawa New Guinea, BETHUNE-BAKER (226) Nov. Zool. Tring 13, sp. n.

Feralia columbiana (197) pl. ci f. 13, *major* (199) f. 14, HAMPSON Cat. Lep. phal. 6.

Focillodes gen. n. *Focillinae* (281), *dinawa*, *brunnea*, *griscata*, (282), *fulva*, *medionigra*, (283), spp. n., New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13.

Fodina kebea New Guinea, BETHUNE-BAKER (266) T.c., sp. n.

Gadirtha costipallens, *inconspicua*, New Guinea, BETHUNE-BAKER (220) Nov. Zool. Tring 13, spp. n.

Galgula partita Gn. = (*G. hepara* Gn. = *Prothymnia baueri* Stgr.), WISKOTT D. ent. Zs. Iris, Berlin, 18 (328-331) 1 Taf.

Gonodonta marmorata sp. n. Mexico, SCHAUSS, (111) Washington U. S. Nation. Mus. Proc. 30.

Gonopteronia gen. n. near *Pseudogonitis*, *albopunctata*, *fulminans*, spp. n.

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New Guinea, BETHUNE-BAKER (239) Nov. Zool. Tring **13**.

Grammoscelis **gen. n.**, *leuconeura* **sp. n.** Cape Colony, HAMPSON (468) Cat. Lep. phal. **6**.

Graptolitha semiusta (249) pl. cii f. 4, *bethunei* f. 5, *patefacta* f. 6 (250), *innominata* (251) f. 7, *rosinae* f. 8, *hemina* f. 9 (252), *disposita* (253) f. 10, *oriunda* f. 11, *ferrealis* f. 12, (254), *petulca* (255) f. 13, *signosa* f. 14, *amanda* f. 15, (256), *lepida* (260) f. 16, *pezata* (263) f. 17, *dilatocula* f. 18, *emerosa* f. 19, (264), *laetineria* (265) f. 20, *antennata* f. 21, *torrida* f. 22, (266), *atincta* (267) f. 23, *tepida* f. 24, *baileyi* f. 25, (268), *querquera* (269) f. 26, *viridipallens* (270) f. 27, *longior* (271) f. 28, *contenta* f. 29, *puella* f. 30, (272), *merceda* f. 31, *unimoda* f. 32, (273), *vertina* pl. ciii f. 1, *ancilla* f. 2, (274), *holocinerea* (275) f. 3, *fletcheri* f. 4, *georgi* f. 5, (276), *emarginata* f. 6, *oregonensis* f. 7, (277), *itata* (278) f. 8, *fagina* (279) f. 9, HAMPSON T.c.

Gyrtona acuda Sumatra, SWINHOE (549) Ann. Mag. Nat. Hist. **17**, **sp. n.**

Hadena ribbei **sp. n.** Spanien, PÜN-
GELER D. ent. Zs. Iris **19** (77-78) pl. v f. 3.—*H. whitei* Tenerife, REBEL (28) Wien Ann. Nat. Hist. Hofmus. **21**, **sp. n.** —*H. bullata* Colorado, SMITH (228) Canad. Entomol. **38**, **sp. n.** —*H. jonea* **sp. n.** Brazil, SCHAUS (101) Washington U. S. Nation. Mus. Proc. **30**.

Harpaglaea **gen. n.** type *Glaea pastillicans* Morr. (429); *sericea* pl. cvi f. 9, *tremula* f. 10, (430); HAMPSON Cat. Lep. phal. **6**.

Harpagophana **gen. n.** type *Metopocera hilaris* St., HAMPSON (115) T.c.

Harrisimemna trisignata pupation, PEARSALE Ent. News **17** (21-23).

Heliophobus hispidus grumi, Genitalarmatur und Systematisches, PETERSEN St. Petersburg Hor. Soc. Ent. Russ. **37** (347-351).—*H. lohi*, NOEL Naturaliste Paris **28** 1906 (227).—*H. populi* ravages in the Doubs, NOEL (227) Naturaliste 1906.

Heliothis peltigera life-history, SICH (283-288) Ent. Rec. 1906; pupa, BACOT (300) Ent. Rec. 1906.—*H. niveicosta* **sp. n.** California, SMITH (15) New York J. Ent. Soc. **14**.

Herminia tentaculuris ab. n. *meixneri*, WAGNER (228) Wien Verh. zool.-bot. Ges. 1906.

Hillia discinigra (224) pl. ci f. 32, HAMPSON Cat. Lep. phal. **6**.

Himella flosca Arizona, SMITH (231) Canad. Entomol. **38**, **sp. n.**

Hirsutipes **gen. n.** for *Hyphaetra trifasciata* Swinh., BETHUNE-BAKER (263) Nov. Zool. Tring **13**.

Homodes puncistriga New Guinea, BETHUNE-BAKER (218) T.c., **sp. n.**

Homoglaea carbonaria (514) pl. cvii f. 25, *californica* (515) f. 26, HAMPSON Cat. Lep. phal. **6**.

Homohadena fissa pl. ci f. 1, *retroversa* f. 2, (188), *infixa* f. 3, *induta* f. 4, (189), *loculosa* (190) f. 5, *coelei* (191) f. 6, *incomitata* f. 7, *stabilis* f. 8, (192), HAMPSON T.c.

Homoneocnemis **gen. n.** for *Homohadena fortis* Grote, HAMPSON (180) T.c.

Homopyralis edilis Arizona, SMITH (237) Canad. Entomol. **38**, **sp. n.** —*H. picta* Mexico, *pandama* Venezuela, **spp. n.**, SCHAUS (111) Washington U. S. Nation. Mus. Proc. **30**.

Hyela ferrens **sp. n.** Canara, HAMPSON (474) Bombay J. Nat. Hist. Soc. **17**.

Hylophila rubromarginata New Guinea, BETHUNE-BAKER (219) Nov. zool. Tring **13**, **sp. n.**

Hyppena epigaea Sumatra, SWINHOE (552) Ann. Mag. Nat. Hist. **17**, **sp. n.** —*H. oronalis* **sp. n.** Bolivia, SCHAUS (133) Washington U. S. Nation. Mus. Proc. **30**.

Hypponeuma **gen. n.** (132), *leucanioides* **sp. n.** Brazil (133), SCHAUS Washington U. S. Nation. Mus. Proc. **30**.

Hyppotype **gen. n.** for *Diphthera placens* Walk., HAMPSON (411) Cat. Lep. phal. **6**.

Hypocala hebeae, *pratti*, New Guinea, BETHUNE-BAKER (249) Nov. Zool. Tring **13**, **spp. n.**

Hypothripa distincta New Guinea, BETHUNE-BAKER (224) T.c., **sp. n.**

Hyphaetra pratti, *novoguineana*, *subpunctata*, New Guinea, BETHUNE-BAKER (262) T.c., **spp. n.** —*H. trifasciata* Swinh. cf. *Hirsutipes*.

Hypotype **gen. n.** type *Polia scotomista* Hamps. (384); *nigridentata* (385) pl. cv f. 6; HAMPSON Cat. Lep. phal. 6.

Hypsophila tamerlana (418) pl. cvi f. 1, *grumi* (420) f. 2, HAMPSON T.c.

Ilattia aroa New Guinea, BETHUNE-BAKER (199) Nov. Zool. Tring 13, sp. n.

Ilsea **gen. n.** *bormia* **sp. n.** Brazil SCHAUUS (131) Washington U. S. Nation. Mus. Proc. 30.

Ingura pratti, *costistrigata*, New Guinea, BETHUNE-BAKER (226) Nov. Zool. Tring 13, spp. n.—*I. sabulosa* **sp. n.** Brazil, SCHAUUS (98) Washington U. S. Nation. Mus. Proc. 30.

Iscadia nigra Argentina (103), *duckinfieldia*, *stroca*, Brazil, (104), spp. n., SCHAUUS T.c.

Ischyja kcbecae, New Guinea, BETHUNE-BAKER (266) Nov. Zool. Tring 13, sp. n.

Isochlora metaphaca Sikhim, HAMPSON (488) pl. xxxvi f. 2 London Proc. Zool. Soc. 1906, sp. n.

Isoura pratti New Guinea, BETHUNE-BAKER (261) Nov. Zool. Tring 13, sp. n.

Kohleria **gen. n.**, *nebula*, (99), *bruma* (100), spp. n. Brazil, SCHAUUS Washington U. S. Nation. Mus. Proc. 30.

Labanda viridescens (220), *crenulata* (221), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.

Iagoptera pratti New Guinea, BETHUNE-BAKER (260) T.c., sp. n.

Lamprosticta niphopasta Syria **sp. n.** (313) pl. ciii f. 23; *L. munda* (316) f. 24; HAMPSON Cat. Lep. phal. 6.

Laphygma exigua, ovum, SICH (267) Entomologist 1906.

Lasiestra (Mamestra) meraca **sp. n.** Turkestan, PÜNGELER D. ent. Zs. Iris 19 (90).

Lasiopoderes **gen. n.** near *Hypactra*, *pratti* **sp. n.** New Guinea, BETHUNE-BAKER (263) Nov. Zool. Tring 13.

Lasiosceles **gen. n.** *Acontiinae* (204), *pratti* **sp. n.** New Guinea (205), BETHUNE-BAKER T.c.

Leptina levitans **sp. n.** Ontario, SMITH (9) New York J. Ent. Soc. 14.

Leucania obsoleta Dunedin, HOWES (511) pl. xlv f. 5 Wellington Trans. N. Zeal. Inst. 38, sp. n.

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Leucanitis kabylaria Tunis, BANG-HAAS (136) pl. v f. 7, D. ent. Zs. Iris 19, sp. n.

Leucochlaena **gen. n.** type *Noctua hispida* Gey. (132), *L. leucoceera* Hamps. (136) pl. xcix f. 12, HAMPSON Cap. Lep. phal. 6.

Lincopalpa sugama Queensland, SWINHOE (408) Ann. Mag. Nat. Hist. 18, sp. n.

Liodes neurogramma Australia, TURNER (123) Adelaide S. Aust. Trans. R. Soc. 30, sp. n.

Litholomia dunbari (223) pl. ci f. 31, HAMPSON Cat. Lep. phal. 6.

Lithophane ledereri (246) pl. cii f. 3, HAMPSON T.c.

Lophoterges **gen. n.** type *Lithocampa fatua* Püng., HAMPSON (91) T.c.

Luperina dumetorum H. G. ab. n. *bleonnensis*, SCHULZ D. ent. Zs. Iris 19 (38-41) pl. v figs. 1 and 2.

Lycophotia (Agrotis) dizyx **sp. n.** Kuku-Noor, PÜNGELER D. ent. Zs. Iris 19 (88).—*L. poliochroa* Tibet, HAMPSON (489) pl. xxxvi figs. 16 and 17 London Proc. Zool. Soc. 1906, sp. n.

Lythrodos minutissima Arizona, SMITH (234) Canad. Entomol. 38, sp. n.

Maceda rufescens New Guinea, BETHUNE-BAKER (222) Nov. Zool. Tring 13, sp. n.

Magulaba nigra New Guinea, BETHUNE-BAKER (212) T.c., sp. n.

Makapta **gen. n.**, *carnescens* **sp. n.** Brazil, SCHAUUS (99) Washington U. S. Nation. Mus. Proc. 30.

Mamestra brassicae and *dissimilis* natürliche Feinde, VASILJEV Věstn. sacharn. promyšl. 5 (911-918).—*M. tuana*, *sareta*, Arizona, SMITH (229) Canad. Entomol. 38, spp. n.—*M. pettinicornis* **sp. n.** Arizona, SMITH (11) New York J. Ent. Soc. 14.

Marcipa tripuncta New Guinea, BETHUNE-BAKER (271) Nov. Zool. Tring 13, sp. n.

Mastigophorus pandes, *lineata*, Mexico, spp. n., SCHAUUS (129) Washington U. S. Nation. Mus. Proc. 30.

Matigramma pamela **sp. n.** hab.?, SCHAUUS (112) T.c.

Mecodina novoquineana New Guinea, BETHUNE-BAKER (272) Nov. Zool. Tring 13, sp. n.

Megachyta nollalis Mexico, *sabularea* Brazil, spp. n., SCHAUS (123) Washington U. S. Nation. Mus. Proc. 30.

Meganephria extensa (308) pl. ciii f. 21, *funesta* (310) f. 22, HAMPSON Cat. Lep. phal. 6.

Melanchra beata sp. n. N. Zealand (511) pl. xlv f. 2, Howes Wellington Trans. N. Zeal. Inst. 38.

Meliana uniformis larvā, PIEPERS (43) 's Gravenhage Tijdschr. Ent. 49.

Melicleptria melibaphes to *Canthylidia*, TURNER (119) Adelaide S. Aust. Trans. R. Soc. 30.—*M. antonio*, *sabulosa*, (16), *eresina*, *sexata*, (17), *subatra*, *trilata*, (18), *dobla*, *edwardsii*, (19), *flavidentata* (23), N. America, SMITH New York J. Ent. Soc. 14, spp. n.

Metachrostis hemiphæa (478), *illosis* (477), *pectinata* (476), Ceylon, HAMPSON Bombay J. Nat. Hist. Soc. 17, spp. n.

Metalepsis aletes Sikhim, HAMPSON (488) pl. xxxvi f. 6 London Proc. Zool. Soc. 1906, sp. n.

Metatopha gloriosa (105) pl. xcix f. 6, HAMPSON Cat. Lep. phal. 6.

Metopoceras gaucleri (119) pl. xcix f. 8, HAMPSON T.C.

Microeschus parva New Guinea, BETHUNE-BAKER (217) Nov. Zool. Tring 13, sp. n.

Momaphana februalis (200) pl. ci f. 15, *brillians* (201) f. 16, HAMPSON Cat. Lep. phal. 6.

Naenia randa Trinidad, *sabrella* Brazil, spp. n., SCHAUS (98) Washington U. S. Nation. Mus. Proc. 30.

Neogalea gen. n. *Cucullianæ* (7), *braziliensis* sp. n. Rio Janeiro (8), HAMPSON Cat. Lep. Phal. 6.

Neoherminia chisena sp. n. Brazil, SCHAUS (121) Washington U. S. Nation. Mus. Proc. 30.

Neumichtis gen. n. for *Hadena trimeta* Walk., HAMPSON (298) Cat. Lep. phal. 6.

Nicetas paulosa sp. n. Brazil, SCHAUS (132) Washington. U. S. Nation. Mus. Proc. 30.

Nocloa gen. n. near *Cirrhophanus*, *plagiata*, (13), *rivulosa* (14), Arizona, spp. n., SMITH New York J. Ent. Soc. 14.

Noctua monteclara sp. n. California, SMITH (10) T.C.

Nodaria renota Sumatra, SWINHOE (411) Ann. Mag. Nat. Hist. 18, sp. n.

Nonagria inferna sp. n. Brazil, SCHAUS (101) Washington U. S. Nation. Mus. Proc. 30.

Nycteycia gen. n. type *Bombycia persimilis* Hamps., *plagiogramma* sp. n. India, HAMPSON (299) Cat. Lep. phal. 6.

Nyctipao dentifasciæ obscura subsp. n., BETHUNE-BAKER (250) Nov. Zool. Tring 13.

Ocalaria gen. n., *guarana* sp. n. Brazil, SCHAUS (132) Washington U. S. Nation. Mus. Proc. 30.

Oethliphora turneri New Guinea, BETHUNE-BAKER (220) Nov. Zool. Tring 13, sp. n.

Oligia fuscoma sp. n. Brazil, SCHAUS (102) Washington U. S. Nation. Mus. Proc. 30.

Omphalophana gen. n. type *Noctua antirrhini* Hüb., *O. serratula* Stand. pl. xcix f. 7, HAMPSON (109) Cat. Lep. phal. 6.

Omphaloscelis gen. n. for *Noctua lunosa* Haw., HAMPSON (469) T.C.

Omphisa anastomosalis, early stages, SWEZEY (76) Honolulu Proc. Hawai. ent. Soc. 1.

Oncoenemis punctilinea Arizona (170) pl. c f. 10, *poliochroa*, Canada (175) pl. c f. 20, spp. n.; *O. mirificalis* (148) pl. civ f. 1, *dayi* (149) pl. xcix f. 13, *hayesi* f. 14, *regina* f. 15, (150), *enta* f. 16, *corusea* pl. civ f. 2, *exemplaris* pl. xcix f. 17, (151), *albifasciata* nom. n. for *fasciatus* Sm. (152) f. 18, *melantho* pl. civ f. 3, *pudorata* pl. xcix f. 19, (153), *tenifasciæ* (154) f. 20, *balteata* f. 21, *terminalis* f. 22, (155), *iricolor* (156) f. 23, *levis* f. 24, *simplex* f. 25, (157), *saundersiana* (158) f. 26, *pernotata* f. 27, *campicola* f. 28, (159), *fasciata* (160) f. 29, *occata* (162) f. 30, *viriditincta* f. 31, *laticosta* f. 32, (164), *angusta* pl. c f. 1, *flagrantis* f. 2, (165), *glemyi* f. 3, *riparia* f. 4, (166), *cibalis* (167) f. 5, *melalutæa* (168) f. 6, *chorda* f. 7, *rosea* f. 8, (169), *simplicia* (170) f. 9, *baceri* f. 11, *homogena* f. 12, (171), *pohono* f. 13, *umbri-*

fascia f. 14, *atrifasciata* f. 15, (172), *barnesi* f. 16, *figurata* f. 17, (173), *major* f. 18, *ciliata* f. 19, (174), *colorado* (175) f. 21, *extranea* f. 22, *chandleri* f. 23, (176), *tetrops* (177) f. 24, *griseicollis* f. 32, *nigrocaput* f. 25, *atricolaris* f. 26, (178), *polingi* (516) pl. cviii. f. 3; HAMPTON Cat. Lep. phal. 6.

Oplideres dinawa New Guinea, BETHUNE-BAKER (269) Nov. Zool. Tring 13, sp. n.—*O. fullonica*, at sea; FLETCHER (202) *Spolia zoylan.* 3.—*O. lunaris* life-history, CRALLAN (176–180) Dorchester Proc. Dorset Nat. Hist. F. Cl. 37.

Ophisma tropicalis, in Philadelphia, SKINNER Ent. News 17 (213).

Ophiura kebea (255), *lilacea*, *subumbra*, *ckeikei*, (256), *serratilinea*, *dentilinea*, *acutissima*, (257), *subacuta*, *insignifica*, *vulgaris*, (258), *medioalbata*, *sublutea*, *kenricki*, (259), New Guinea, spp. n.; *O. pallida subplaga* subsp. n. (260); BETHUNE-BAKER Nov. Zool. Tring 13.

Opsigalea gen. n. for *Nystalea ocellata* Walk., HAMPTON (84) Cat. Lep. phal. 6.

Orthodea gigas Arizona, SMITH (230) Canad. Entomol. 38, sp. n.

Orthogramma feroxia (115), *hermesia* (116), Brazil, spp. n., SCHAUUS Washington U. S. Nation. Mus. Proc. 30.

Oruza dinawa, *aroa*, *variegata*, *unipunctata*, New Guinea, BETHUNE-BAKER (215) Nov. Zool. Tring 13, spp. n.

Oxaenanus indentifascia Khasia hills, SWINHOE (283) Ann. Mag. Nat. Hist. 17, sp. n.

Pachnobia rubricosa var. n. *arctica* SCHNEIDER Tromso Mus. Aarsl. 28 (118).

Pachypolia himalayensis Sikkim, HAMPTON (312) Cat. Lep. phal. 6, sp. n.

Palindia argentilinea sp. n. Brazil, SCHAUUS (110) Washington U. S. Nation. Mus. Proc. 30.

Palpangula straminea Tunis, BANGHAAS (135) D. ent. Zs. Iris 19, sp. n.

Pangraptia pratti (276), *aroa* (277), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.

Panilla aroa New Guinea, BETHUNE-BAKER (251) T.c., sp. n.

Paragonitis gen. n. near *Pseudogonitis*, (238), *strigoeremulata* sp. n. New Guinea (239), BETHUNE-BAKER T.c.

Paracarea gen. n. near *Carea* (245), *rubiginea* sp. n. New Guinea (246), BETHUNE-BAKER T.c.

Paragarista gen. n. near *Cylcodes*, *albostrata* sp. n. New Guinea, BETHUNE-BAKER (255) T.c.

Parelydna gen. n. near *Pseudelydna*, (241), *mirabilis* sp. n. New Guinea (242) and including *Pseudelydna cyanea* Snell., BETHUNE-BAKER T.c.

Parepisparis gen. n. near *Episparis*, *crenulata* sp. n. New Guinea, BETHUNE-BAKER (269) T.c.

Palthis gnoma, *berthalis*, Brazil, (128), *calcalis* Mexico (129), spp. n., SCHAUUS Washington U. S. Nation. Mus. Proc. 30.

Penicillaria meeki, *dinawa*, New Guinea, BETHUNE-BAKER (231) Nov. Zool. Tring 13, spp. n.

Perciana violescens Travancore and Bali, *obscura* Ceylon, HAMPTON (472) Bombay J. Nat. Hist. Soc. 17, spp. n.—*P. bistrigata*, *meeki*, New Guinea, BETHUNE-BAKER (206) Nov. Zool. Tring 13, spp. n.

Perigea dinawa, *aroana*, New Guinea, BETHUNE-BAKER (194) T.c., spp. n.

Perigea charada Mexico, *cenola*, *secoira*, Brazil, spp. n., SCHAUUS (100) Washington U. S. Nation. Mus. Proc. 30.

Perigonica punctilinea Arizona, SMITH (233) Canad. Entomol. 38, sp. n.

Perigrapha cincla var. n. *centralasiae*, BARTEL Insektenbörse 23 (63).

Peteroma gen. n., *lignea* sp. n. Venezuela, SCHAUUS (113) Washington U. S. Nation. Mus. Proc. 30.

Phaeochlaena cuprea sp. n. Brazil, SCHAUUS (110) Washington U. S. Nation. Mus. Proc. 30.

Phanaspa ochracea (215), *rubra punctata*, *dinawa*, (216), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.

Phibromia gen. n., *narecta* sp. n. Brazil, SCHAUUS (106) Washington U. S. Nation. Mus. Proc. 30.

Phiprosopus hypenoides sp. n. Brazil, SCHAUUS (108) Washington U. S. Nation. Mus. Proc. 30.

Phoebophilus sajanus sp. n. (but in note = *Hadena decipiens* Alph.) pl. v

f. 8 (133), BANG-HAAS D. ent. Zs. Iris 19.

Physetica hudsoni sp. n. N. Zealand, HOWES (510) pl. xlv f. 1 Wellington Trans. N. Zeal. Inst. 38.

Plasmaticus gen. n. near *Platyja*, *angulata* sp. n. New Guinea, BETHUNE-BAKER (268) Nov. Zool. Tring 13.

Platyja argenteopunctata, *porphyrodes*, *pratti*, New Guinea, BETHUNE-BAKER (267) T.c., spp. n.

Pleroma conserta pl. ciii f. 18, *bonuseula* f. 19, (296), *cinerea* (297) f. 20, HAMPSON Cat. Lep. phal. 6.

Plusia rhodochrysa Ile Maurice, JOANNIS (171) pl ix f. 3 Paris Ann. Soc. ent. 75, sp. n.—*P. kebea*, *dinara*, *ekeikei*, *babooni*, New Guinea, BETHUNE-BAKER (270) Nov. Zool. Tring 13, spp. n.—*P. caudata* sp. n. Mexico, SCHAUS (105) Washington U. S. Nation. Mus. Proc. 30.—*P. hoechevarthi* var. n. *alaica*, GALVAGNI (82) Wien Verh. Zool.-bot. Ges. 1906.—*P. ni*, Zucht, VOLKER Ent. Zs. Guben 20 (13).—*P. gamma*, *festucae*, *interrogationis*, *variabilis*, abb.; A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (521-522).—*P. gamma*, food-plant, FRITSCH Insektenbörse Leipzig 23 (144, 148).—Convergenz-Erscheinungen zwischen den Raupen von *Plusia C aureum* und *Notodonta ziczae*, BERGNER Zs. wiss. Insektenbiol. Husum 2 1906 (237-246, 265-276) 1 Taf.

Polia altaica Centr.-Altai, BANG-HAAS (134) D. ent. Zs. Iris 19, sp. n.—*P. (Mamestra) retrusa* sp. n. Kuku-Noor, PÜNGELER D. ent. Zs. Iris 19 (91).—*P. pentheri* Asia minor, REBEL (201) Wien. Ann. Nat. Hist. Hofmus. 20, sp. n.

Polychrisia kebeana New Guinea, BETHUNE-BAKER (271) Nov. Zool. Tring 13, sp. n.

Polydesma pratti (250), *brunneistriga* (251), New Guinea, BETHUNE-BAKER T.c. 13, spp. n.—*P. nigrocyanica* Ile Maurice, JOANNIS (172) pl. ix f. 4 Paris Ann. Soc. ent. 75, sp. n.

Prodenia littoralis Egypt, WILLCOCKS Cairo Yrbk. Khed. Agric. Soc. 1905 (15-56) pl. i.

Protagrotis rufalis (191), *noraguinensis* (192), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, spp. n.

Protophana gen. n. type *Herrichia cervina* Edw., HAMPSON (121) Cat. Lep. phal. 6.

Psaphida grotei (208) pl. ci f. 18, *thaxteriana* (209) f. 19, HAMPSON T.c.

Psectraglaea gen. n. type *Glaea carnosia* Gr., *olivata* pl. cvi f. 14, HAMPSON (439) T.c.

Pseudacidalia unilineata New Guinea, BETHUNE-BAKER (216) Nov. Zool. Tring 13, sp. n.

Pseudanarta crocea (194) pl. ci f. 9, *singula* f. 10, *flavidens* f. 11, (195), *falcata* (196) f. 12, HAMPSON Cat. Lep. phal. 6.

Pseudelydna cyanea cf. *Parelydna*.

Pseudodeltoidea gen. n. *Focillinae*, *aroca* sp. n. New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13.

Pseudogonites pratti New Guinea, BETHUNE-BAKER (238) T.c., sp. n.

Pseudozalissa gen. n. near *Hypocala*, *bella* sp. n. New Guinea, BETHUNE-BAKER (250) T.c.

Pseudophia wiskotti pl. x figs. 11 and 12, WISKOTT (331) D. ent. Zs. Iris 18.

Pseudophyx gen. n. near *Ophiusa*, *pratti* sp. n. New Guinea, BETHUNE-BAKER (260) Nov. Zool. Tring 13.

Pseudorthosia variabilis var. n. *pallidior*, COCKERELL Ent. News 17 1906 (204).

Raparna trigramma Sydney, TURNER (122) Adelaide S. Austr. Trans. R. Soc. 30, sp. n.

Rectangulipalpus gen. n. *Focillinae*, (286), *meeki* sp. n. New Guinea (287), BETHUNE-BAKER Nov. Zool. Tring 13.

Renia nutsoni Arizona, SMITH (237) Canad. Entomol. 38, sp. n.—*R. ordenalis*, *cacalis*, (127), Brazil, *bipunctalis* Mexico (128), spp. n., SCHAUS Washington U. S. Nation. Mus. Proc. 30.

Reticulana gen. n. *Acontiinae*, *costilinea* sp. n. New Guinea, BETHUNE-BAKER (205) Nov. Zool. Tring 13.

Rhesena jalapena, *nezeila*, Mexico, *rubromarginata* hab. ?, spp. n., SCHAUS (107) Washington U. S. Nation. Mus. Proc. 30.

Rhesicpha snorri sp. n. Texas, SKINNER (95) Ent. News 17.

Rhizotype **gen. n.** type *Bombyx flammea* Esp. (373); *remota* pl. cv f. 1, *poliorhiza* f. 2, (376), *mongolica* f. 3, *subdetersa* f. 4, (377), *curva* (378) f. 5; HAMPSON Cat. Lep. phal. 6.

Rhodochlaena **gen. n.** type *Dianthocia botonga* Feld., HAMPSON (131) T.c.

Rhosologia pallida **sp. n.** Brazil, SCHAU (124) Washington U. S. Nation. Mus. Proc. 30.

Rhynchaglaea **gen. n.** for *Xylophasia scitula* Butl., HAMPSON (435) Cat. Lep. phal. 6.

Risoba delicata, *viridata*, *kebea*, (233), *avola*, *olivens*, *grisea*, (234), *pratti* (235), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, **spp. n.**

Rivula aroa, *meeki*, New Guinea, BETHUNE-BAKER (211) T.c., **spp. n.**

Sadara purpurascens New Guinea, BETHUNE-BAKER (235) T.c., **sp. n.**

Sarothripa mauritia Ile Maurice, JOANNIS (174) pl. ix f. 6 Paris Ann. Soc. ent. 75, **sp. n.**—*S. aroa* (224), *brunneicosta*, *arcuosa*, *kebea*, *avola*, (225), New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13, **spp. n.**—*S. baeopis* Australia, TURNER (121) Adelaide S. Aust. Trans. R. Soc. 30, **sp. n.**

Savara amisa Sumatra, SWINHOE Ann. Mag. Nat. Hist. 17, **sp. n.**

Schazama **gen. n.** (108), *angustipennis* **sp. n.** Brazil, SCHAU (109), Washington U. S. Nation. Mus. Proc. 30.

Schinia macroptica, *biforma*, (21), *olivacea*, *ferricasta*, (22), *erosa* (23), *pallincincta*, *tobia*, (24), *accessa* (25), *alensa*, *illustra*, (26), *megarena* (27), SMITH New York, J. Ent. Soc. 14, **spp. n.**

Scopelosoma satellitia, Variabilität, Teratologie, SCHULZ Wien JahrBer. Entom. Ver. 16 (36–37).

Scotogramma (Mamestra) segnis **sp. n.** Lob-Noor, PÜNGELER D. ent. Zs. Iris 19 (90).

Semiphora bastula (102), *punctula* (103), Brazil, **spp. n.**, SCHAU Washington U. S. Nation. Mus. Proc. 30.

Seneratia albopunctata New Guinea, BETHUNE-BAKER (272), Nov. Zool. Tring 13, **sp. n.**

Setagrotis dolens British Columbia, SMITH (226) Canad. Entomol. 38, **sp. n.**

Sinariola **gen. n.** near *Cosmophila*, *ougarra*, *rufa*, **spp. n.** New Guinea, BETHUNE-BAKER Nov. Zool. Tring 13.

Sorygaza acutalis **sp. n.** Brazil, SCHAU (121) Washington U. S. Nation. Mus. Proc. 30.

Sphingiforma **gen. n.** near *Capotena*, *pratti* **sp. n.** New Guinea, BETHUNE-BAKER (241) Nov. Zool. Tring 13.

Spintherops lia **sp. n.** Turkestan, PÜNGELER D. ent. Zs. Iris 19 (97).

Stictoptera ckeikei, *rufa*, *meeki*, New Guinea, BETHUNE-BAKER (235) Nov. Zool. Tring 13, **spp. n.**

Sympistis celloggi (415) pl. cv f. 32, HAMPSON Cat. Lep. phal. 6.

Syma gluta Sumatra, SWINHOE (409) Ann. Mag. Nat. Hist. 18, **sp. n.**—*S. angulilinea*, *bella*, New Guinea, BETHUNE-BAKER (247) Nov. Zool. Tring 13, **spp. n.**

Taenioecampa naolina **sp. n.** Brazil, SCHAU (104) Washington U. S. Nation. Mus. Proc. 30.—*T. fractura* (232), *indra* (233), Arizona, SMITH Canad. Entomol. 38, **sp. n.**

Tarache plumbicula Ceylon (475), *anormalis* S. India (474), HAMPSON Bombay J. Nat. Hist. Soc. 17, **spp. n.**—*T. kebeac* New Guinea, BETHUNE-BAKER (208) Nov. Zool. Tring 13, **sp. n.**

Targalla catephioides ckeikei subsp. **n.** *pratti* **sp. n.** New Guinea, BETHUNE-BAKER (227) T.c.

Tathodelta aroensis New Guinea, BETHUNE-BAKER (212) T.c., **sp. n.**

Thalpocharis hutchinsoni (28), *catalina* (29), Arizona, SMITH New York J. Ent. Soc. 14, **spp. n.**

Thoracophotos **gen. n.** near *Ophiusa*, *ckeikei* **sp. n.** New Guinea, BETHUNE-BAKER (261) Nov. Zool. Tring 13.

Thyreion stena **sp. n.** Colorado, SMITH (15) New York J. Ent. Soc. 14.

Thyria aroa New Guinea, BETHUNE-BAKER (119) Nov. Zool. Tring 13, **sp. n.**

Tibiocillaria **gen. n.** near *Penicillaria*, *pratti*, (231), *aureiplaga*, *dinavaensis*, (232), **spp. n.**, New Guinea, BETHUNE-BAKER T.c.

Tiracola plagiata larva, PIEPERS (35) 's Gravenhage Tijdschr. Ent. 49.

Tornosinus gen. n. *Focillinae*, *niger* sp. n. New Guinea, BETHUNE-BAKER (286) Nov. Zool. Tring 13.

Torticodes paulensis (122), *dilecna* (123), Brazil, spp. n., SCHAUUS Washington U. S. Nation. Mus. Proc. 30.

Trichoridia gen. n. (400) type *Crymodes herchatra* Swinh. (406) pl. cv f. 27, *albiluna* (404) f. 24, *cuprescens* (405) f. 25, spp. n., Tibet; *fulminea* (401) f. 19, *endroma* (402) f. 20, *hampsoni* f. 21, *dentata* f. 22, (403), *canosparsa* (404) f. 23, *sichimensis* (405) f. 26; HAMPSON Cat. Lep. phal. 6.

Trigonophora grumi u. *flammea* Genitalarmatur und Systematisches., PETERSEN St. Petersburg Hor. Soc. Ent. Ross. 37 (347-351) Taf.

Trileuca ochracea sp. n. Mexico, SCHAUUS (106) Washington U. S. Nation. Mus. Proc. 30.

Triommatodes angulata sp. n. Guiana, SCHAUUS (114) Washington U. S. Nation. Mus. Proc. 30.

Tyrissa carola sp. n. Brazil, SCHAUUS (120) Washington U. S. Nation. Mus. Proc. 30.

Ursogastra gen. n. near *Eriopyga* (12), *lunata* sp. n. Arizona (13), SMITH New York J. Ent. Soc. 14.

Valeria icamba (352) pl. civ f. 19, *sauberi* (353) f. 20, *pardaria* (354) f. 28, HAMPSON Cat. Lep. phal. 6.

Vittapressa gen. n. *Acontiinae*, *rufiplaga* sp. n. New Guinea, BETHUNE-BAKER (206) Nov. Zool. Tring 13.

Westermannia longiplaga New Guinea, BETHUNE-BAKER (218) T.c., sp. n.

Xantholeuca sericea (442) pl. cvii f. 29, HAMPSON Cat. Lep. phal. 6.

Xanthoptera rubrifusa sp. n. Ceylon, HAMPSON (475) Bombay J. Nat. Hist. Soc. 17.—*X. dinawa* New Guinea, BETHUNE-BAKER (210) Nov. Zool. Tring 13, sp. n.

Xylina rosinae sp. n. Amur, PÜNGLER D. ent. Zs. Iris 19 (95).—*X. nupera* (280) pl. ciii f. 10, *curvimacula* (282) f. 11, *brillians* (283) f. 12, *cineritia* f. 13, *brucei* f. 14, (284), HAMPSON, Cat. Lep. phal. 6.

Xylinissa gen. n. type *Xylina cossoides* Butl. (355); *lignitis* pl. civ f. 22, *oniroe* (356) f. 23; HAMPSON Cat. Lep. Phal. 6.

—*Xylinissa lignitis* sp. n. Bogotá, SCHAUUS (97) Washington U. S. Nation. Mus. Proc. 30.

Xylotype gen. n. for *Xylina capax* Gr., HAMPSON (288) T.c.

Yula gen. n., *novaequinae* sp. n. New Guinea, BETHUNE-BAKER (193) Nov. Zool. Tring 13.

Zagira bicolora, *pratti*, New Guinea, BETHUNE-BAKER (213) T.c., spp. n.

Zalissa ekeikei, *kebeensis*, New Guinea, BETHUNE-BAKER (211) T.c., spp. n.

Zethes lilacea, *fuscomarginata*, (272), *aroa*, *griseistriga*, *meeki*, (273), *nigra*, *tessellata*, *ochreistriga*, (274), *apicebrunnea*, *multilinea*, *Z. (Cultripalpa) ekeikei*, *rufalia*, (275); *albopunctata*, *bella*, *rubraria*, (276), New Guinea, spp. n.; *Z. megaspila* Warr. ♀ (273), *albisigillata* Warr. ♀ (275); BETHUNE-BAKER. T.c.

GEOMETRIDAE

(incl. *Uraniidae* & *Epiplemidae*).

Progressive melanism, DONCASTER Ent. Rec. 1906 (165-168 etc. etc.).

Abraxas grossulariata, varieties, COCKERELL Nature 73 (341); ab., A. AIGNER Ann. Hist.-Nat. Hung. 4 (526); var. *lacticolor* breeding experiments, DONCASTER & RAYNOR London Proc. Zool. Soc. 1906 (129-133) pl. viii figs. 4, 5.

Acidela gen. n. type *Nearcha alba* Swinh., TURNER (130) Adelaide S. Aust. Trans. R. Soc. 30.

Acidalia euphorbiata Nice, BALESTRE (80) Paris Bull. Soc. entom. 1906, sp. n.—*A. libycata* sp. n. Algier, BARTEL (2) Ent. Zs. Guben 20.—*A. flaccidaria* ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (524).—*A. subalbaria* Pack. cf. *Diastictis*.

Acollesis semialba W. Africa, SWINHOE (555) Ann. Mag. Nat. Hist. ser. 7 17, sp. n.

Acolutha caniota New Guinea, WARREN (106) Nov. Zool. 13, sp. n.

Acrotomodes unicolor sp. n. Brazil, WARREN (533) Washington U. S. Nation. Mus. Proc. 30.

Actenochroma subochracea Warr.= (*Pseudopterna elacaria* Hamps.); SWINHOE (285) Ann. Mag. Nat. Hist. 17.

Adeixis Warr. = (*Paragyrtis* Meyr.),
TURNER (130) Adelaide S. Aust. Trans.
R. Soc. 30.

Adeta confusa New Guinea, WARREN
(113) Nov. Zool. 13, sp. n.

Aleis concinna (139), *irrufata* (140),
New Guinea, WARREN T.c., spp. n.—*A.*
lichenaria sp. n. Arizona, PEARSELL (215)
Brooklyn Mus. Bull. 1.—*A. hayde-*
nata, taxonomy, PEARSELL (179) Canad.
Entomol. (38).

Almodes benesignata Argentina, DOG-
NIN (106) Bruxelles Ann. Soc. ent. Bel-
gique 50, sp. n.

Amphiclasta gen. n. *Monocteniniæ*,
lygaea sp. n. Australia, TURNER (132)
Adelaide S. Aust. Trans. R. Soc. 30.

Amphidasis betularia ab., A. AIGNER
Ann. Hist.-Nat. Hung. 4 (527).

Anapalta ruficarpus Tucuman, DOG-
NIN (205) Bruxelles Ann. Soc. ent. Bel-
gique 50, sp. n.

Angerona prunaria n. var. *sordida*
breeding experiments, DONCASTER Lon-
don Proc. Zool. Soc. 1906 (125-128) pl.
viii figs. 1-3; broods and varieties
PICKETT (59-61) London Trans. City
Nat. Hist. Soc. 1905; gynandromorph,
PICKETT (293) Ent. Rec. 1906.

Aniserples fasciata New Guinea,
WARREN (114) Nov. Zool. 13, sp. n.

Anisocolpia arvensis to *Anthierax*,
WARREN (109) T.c.

Anisodes abruptaria Guiana (427),
with var. *atriscata* Peru, *delincata*
Guiana, (428), *flavicornis* Peru, *flavi-*
puncta, (429), *leucaniata*, Guiana, *potre-*
ria Jalapa, (430), *strictata* Mexico,
subvirescens Guiana, *terrens* Jalapa,
(431), spp. n., WARREN Washington U. S.
Nation. Mus. Proc. 30.—*A. maroniensis*
(109), *inquinata* (110), Guiana, DOGNIN
Bruxelles Ann. Soc. ent. Belgique 50,
spp. n.

Anisogamia albifusq (77), *albiseriata*,
batis, *commaculata*, pl. x f. 11 (78), *deco-*
rata (79), *flavilinea* with ab. *albinata*,
griseonotata, (80), *iridescent*, *scintillans*,
(81), *seminivea*, *triseriata*, *viridissima*,
(82), New Guinea; WARREN Nov. Zool.
Tring 13, spp. n.

Anophylla obeliscata sp. n. Guiana,
WARREN (114) Washington U. S. Nation.
Mus. Proc. 30.

Anticlea semiflava New Guinea,
WARREN (93) Nov. Zool. Tring 13, sp. n.

Antiplecta caesia (399) Mexico, *cine-*
rascens, Cayenne, *nigripleta*, (400),
triangularis (401), Mexico, WARREN
Washington U. S. Nation. Mus. Proc.
30, spp. n.

Aphanophleps gen. n. *Sterrhinae*,
vinosaria, (433), *vulpina* (434), Guiana,
spp. n., WARREN T.c.

Aplodes hudsonaria Alberta, TAYLOR
(206) Canad. Entomol. 38, sp. n.—*A.*
latirosaria sp. n. Utah, PEARSELL (214)
Brooklyn Mus. Bull. 1.

Ardonis dentifera New Guinea,
WARREN (114) Nov. Zool. 13, sp. n.

Arycanda commixta, *fulviradiata*,
New Guinea, WARREN (138) pl. x f. 9
T.c., spp. n.

Asaphodes parora pl. xlv f. 6 (509),
HOWES Wellington Trans. N. Zeal. Inst.
38.

Asclodes hebetior sp. n. Guiana,
WARREN (432) Washington U. S. Nation.
Mus. Proc. 30.

Asestra lineata sp. n. Peru, WARREN
(534) T.c.

Asthena argentipecta *subditaria*,
New Guinea, WARREN (107) Nov. Zool.
13, spp. n.

Astyochia signata sp. n. Peru (500),
WARREN Washington U. S. Nation. Mus.
Proc. 30.

Atmoceras gen. n. *Ascotinae*, *plumosa*
sp. n. New Guinea, WARREN (140) Nov.
Zool. Tring 13.

Atopodes gen. n. near *Rhinodia* (534),
singularis sp. n. Brazil (535), WARREN
Washington U. S. Nation. Mus. Proc.
30.

Atyria cruciata sp. n. Bolivia, WARREN
(409) T.c.

Atyriodes figulatum Peru, DOGNIN
(107) Bruxelles Ann. Soc. ent. Belgique
50, sp. n.

Acentiopsis gen. n. *Ennominae* (535),
ochrea sp. n. Brazil (536), WARREN,
Washington U. S. Nation. Mus. Proc.
30.

Azelinopsis amaura New Guinea,
WARREN (156) Nov. Zool. Tring 13,
sp. n.

Bassania amethystata var. n. *extremata*, WARREN (536) Washington U. S. Nation. Mus. Proc. 30.

Berberodes cassiteris (493), *B. ? delicata*, *simplex*, (494), *violacea* (495), spp. n., Guiana, WARREN T.c.

Boarmia crepnsenlaria ab., A. AIGNER Ann. Hist.-Nat. Hung. 4 (527).—*B. gemmaria* var. n. *rebeli* ♂ Ungarn., A. AIGNER Rovart. L. 13 (69-75).

Bombia gen. n. near *Heterusia*, *protuberans* sp. n. Peru, WARREN (468) Washington D.C. U. S. Nation. Mus. Proc. 30.

Borbacha carnea New Guinea, WARREN (131) Nov. Zool. 13, sp. n.

Brephos puella ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. 4 (524).

Bronchelia benepieta, *marcida*, Brazil, spp. n., WARREN (504) Washington U. S. Nation. Mus. Proc. 30.

Bryoptera albiplaga Guiana, *nigri-lineata* Ecuador, spp. n., WARREN (505) T.c.

Burbada radiacata Warr. abb. n. *flavifrons* and *carens* (138); *relata* New Guinea sp. n. (139), WARREN Nov. Zool. 13.

Caberodes ? asplataria Mexico, *nextilinea* Brazil, spp. n., WARREN (537) Washington U. S. Nation. Mus. Proc. 30.

Caelyces gen. n. for *Lyces plagifera*, WARREN (409) T.c.

Callizzia certiorata sp. n. Arizona, PEARSALL (220) Brooklyn Mus. Bull. 1.

Cambogia abbreviata Peru, DOGNIN (112) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.—*C. cancellata* sp. n. Peru, WARREN (467) Washington, D.C. U. S. Nation. Mus. Proc. 30.

Camelopteryx gen. n. near *Tephroclystia*, *multicolor* sp. n. Ile Maurice, pl. ix f. 11, JOANNIS (180) Paris Ann. Soc. ent. 75.

Campogramma fluviata abb. n., MATHEW (281-283) Ent. Rec. 1906.

Cannegara himerodes sp. n. Mexico, WARREN (538) Washington U. S. Nation. Mus. Proc. 30.

Capnophylla albiceps Brazil sp. n., WARREN (401) T.c.

Caripeta eriminosa sp. n. N. America, SWETT New York J. Ent. Soc. 14 (128-129); *C. eriminosa* sp. n. = (*C. angustiora* Pack. nec Wlk.) SWETT Psyche 13 (103).

Carplima gen. n. *Hydriomenae*, *hydriomenata* sp. n. Arizona, PEARSALL (210) Brooklyn Mus. Bull. 1.

Celonoptera mirificaria Ld. = (*Sparta paradoxaria* Stgr., DAMFF D. ent. Zs. Iris Berlin 19 (42).

Chaetolopha ? antennata (93), *C. flexilinea*, *fulgurata*, (94), *pictipennis*, *ruptistriga*, *splendens*, (95), *tristriata* (96), New Guinea; WARREN Nov. Zool. Tring 13, spp. n.

Chlorochlamys Hulst emend. (213). *C. volantaria* sp. n. Arizona (214), PEARSALL Brooklyn Mus. Bull. 1.

Chlorochroma discata, *flavilimes*, *geminipuncta*, (83), *laticostata*, *latistriga* pl. x f. 6, *obsoleta*, (84), *puncelligera*, *rusticosta*, *rustistriga*, (85), *vestigiata* (86), New Guinea; WARREN Nov. Zool. Tring 13, spp. n.—*C. citrolimbaria* Gn. = (*inchoata* Walk. = *Iodis illidgei* Luc.), TURNER (127) Adelaide S. Aust. Trans. R. Soc. 30.

Chloroclystis exilipicta (176) pl. ix f. 8, *chlamydata* (178) f. 9, Ile Maurice, JOANNIS Paris Ann. Soc. ent. 75, spp. n.—*C. cuneilinea* (114), *seniscripta* (115), New Guinea, WARREN Nov. Zool. 13, spp. n.—*C. rectangulata*, sex characters, MEIXNER Zs. wiss. Insektenbiol. 2 (337-344, 376-381):

Chogada compectinata, *semidiscata*, New Guinea, WARREN (141) Nov. Zool. Tring 13, spp. n.

Cidaria byssata var. n. *tundraeata*, POPPIUS (6) f. 3 Helsingfors Acta Soc. Fauna F. Fenn. 28 No. 3.—*C. mediovittaria* Moore = (*Somatina azonaria* Oberth.); SWINHOE (285) Ann. Mag. Nat. Hist. 17.

Cirrhosoma curvata sp. n. Mexico (495), WARREN Washington U. S. Nation. Mus. Proc. 30.

Coelurotricha gen. n. near *Coelura*, *curvilinea* sp. n. Panama, WARREN (402) T.c.

Coenocalpe angustipennis (96), *hirtivena*, *semirufata*, *ustimacula*, (97), *xylinata* (93), New Guinea, WARREN Nov. Zool. Tring 13, spp. n.

Coenocharis ignavaria sp. n. Arizona, PEARSELL (216) Brooklyn Mus. Bull. 1.

Collia exemplata New Guinea, WARREN (98) Nov. Zool. Tring 13, sp. n.

Comostola flavifimbria, *rufimargo*, New Guinea, WARREN (86) T.c., spp. n.

Comostolodes castaneata, *viridifimbria*, New Guinea, WARREN (87) T.c., spp. n.

Comibaena flavicoma sp. n. Guiana, WARREN (415) Washington U. S. Nation. Mus. Proc. 30.

Cophopoda gen. n. near *Trochiodes*, *pyralidimima* sp. n. Parana, WARREN (471) T.c.

Cosymbia lumenaria, life-history, DYAR Psyche 13 (93-94).

Crasilogia dispar ab. n. *simplex*; *C. ? fumipennis* sp. n. New Guinea; WARREN (99) Nov. Zool. Tring 13.

Craspedosis costimacula New Guinea, WARREN (134) T.c., sp. n.—*C. desmiata* R. & J. pl. iii f. 6, JORDAN (760) Nov. Zool. Tring 13.

Cremodes concomitans, *curta*, (435), *fuscifrons* (436) Cuba spp. n., WARREN Washington U. S. Nation. Mus. Proc. 30.

Crocallis elinguaris, Ei, GILLMER Ent. Zs. Guben 20 (189).—Bemerkung dazu v. E. Boyé, T.c. 1907 (258).

Crocapteryx hilaris Panama (538), *C. ? venusta* Guiana (539), spp. n., WARREN Washington U. S. Nation. Mus. Proc. 30.

Crypsityla borrigaria Mexico, *ignifera*, (436), *subrubella* (437), Guiana, spp. n. WARREN T.c.

Cyclomia lilacina Santa Lucia (539), *strigifera*, *tumidilinea*, (540), Mexico, spp. n., WARREN T.c.

Cyllopoda bipuncta Peru (409), *radiata* Brazil (410), spp. n., WARREN T.c.—*C. compensata*, *breviplaga*, Peru, DOGNIN (108) Bruxelles Ann. Soc. ent. Belgique 50, spp. n.

Cymatophora divergens Guiana (506), *flexilinea* Mexico, *viriditincta* Paraguay, (507), spp. n., WARREN Washington U. S. Nation. Mus. Proc. 30.—*C. ? fumigrisea* Peru, DOGNIN (211) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.—*C. matilda*, life-history, DYAR Psyche 13 (22).

Cyphura pardata New Guinea, WARREN (66) pl. x f. 5 Nov. Zool. Tring 13, sp. n.

Dectochilus decens (540), *tincta* (541), Mexico, spp. n., WARREN Washington U. S. Nation. Mus. Proc. 30.

Deilinia odontocrossa, *glaucochroa*, Australia, TURNER (134) Adelaide S. Aust. Trans. R. Soc. 30, spp. n.—*D. bryantaria* Brit. Columbia, TAYLOR (402) Canad. Entomol. 38, sp. n.

Deinopygia conifer Guiana, *falcipennis* Mexico, (438), *horrida*, *percurrans*, (439), *triangulata* (440), Guiana, spp. n., WARREN Washington U. S. Nation. Mus. Proc. 30.

Deptalia rubescens Guiana, DOGNIN (111) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Diactinia intromissa New Guinea, WARREN (99) Nov. Zool. Tring 13, sp. n.

Dialeptis celata sp. n. Peru, WARREN (410) Washington U. S. Nation. Mus. Proc. 30.

Diastictis subalbaria (Pack. as *Acidalia*) and allies; *hulstiaris* n. sp. = (*subalbaria* Hulst nec Pack.); TAYLOR (111, 112) Canad. Entomol. 38.

Dichromatopodia cervina Venezuela, *purpurea*, *rufimedia*, Guiana, spp. n., WARREN (441) Washington U. S. Nation. Mus. Proc. 30.

Dichromodes trychnoptila, *haematopa*, Australia, TURNER (131) Adelaide S. Aust. Trans. R. Soc. 30, spp. n.

Dicyclodes gen. n. *Oenochrominae* (75), *hieroglyphica* sp. n. New Guinea (76) pl. x f. 13, WARREN Nov. Zool. Tring 13.

Dirades corrassa, *niveicosta*, New Guinea, WARREN (68) T.c., spp. n.

Diradopsis alberta New Guinea, WARREN (69) T.c., sp. n.

Docephora fumosa Venezuela, *undata* Peru, (472), *obscurata* Guiana (473), spp. n., WARREN Washington U. S. Nation. Mus. Proc. 30.

Dolichoneura nigrintotata sp. n. Guiana, WARREN (407) T.c.

Drucia excrescens, (415), *quinque-maculata*, *semispureata* (416), Guiana, spp. n., WARREN T.c.

Dyscia serena Buenos Aires, DOGNIN (118) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Dysephyra albidiscata sp. n., with var. n. *nigridiscata* Guiana, WARREN (442) Washington U. S. Nation. Mus. Proc. **30**.

Ellopiia (?) *dumonti* la Granja, MABILLE (32) pl. iii f. 2 Paris Ann. Soc. ent. **75**, sp. n.—*E. prosapiaria* var. *prasiniaria* ab., A. AIGNER Ann. Hist.-Nat Hung. **4** (526).

Emmiltis blandula Guiana (442), *omissa* Bolivia, *tricineta* Brazil, (443), spp. n., WARREN Washington U. S. Nation. Mus. Proc. **30**.

Euemera similaria sp. n. California, TAYLOR (190) Ent. News **17**, but is *Euemera sim.* teste SWETT T.c. (349).

Entomoepal bipars sp. n. Guiana, WARREN (542) Washington U. S. Nation. Mus. Proc. **30**.

Enypia pachardata Brit. Columbia, Taylor (403) Canad. Entomol. **38**, sp. n.

Eois rotundopennata, life-history, DYAR Psyche **13** (61-62).

Ephialtias morena sp. n. Brazil, WARREN (411) Washington U. S. Nation. Mus. Proc. **30**.

Epimecis virginaria, taxonomy, PEAR-SALL (179) Canad. Entomol. **38**.

Epiplema enthearia Khasia hills, SWINHOE (284) Ann. Mag. Nat. Hist. **17**, sp. n.—*E. subflavida* Java, SWINHOE (553) T.c., sp. n.—*E. canilunnea*, *castiata*, (69), *cinereella*, *configurata*, (70), *dealbata*, *despecta*, (71), *delecta*, *eupelodes*, (72), *falcigera*, *flexifascia*, (73), *innocens*, *planinargo*, *taminata*, (74), *vialactea* (75), New Guinea; WARREN Nov. Zool. Tring **13**, spp. n.—*E. excoria* sp. n. Mexico, WARREN (402) Washington U. S. Nation. Mus. Proc. **30**.

Epirrhoe auritacta Peru, DOGNIN (204) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Episteira delicata New Guinea, WARREN (109) Nov. Zool. **13**, sp. n.

Epitherapis gen. n. *Ennominae* (156), *stramineata* sp. n. New Guinea (157), WARREN T.c.

Eratina brunnea (468), *satellite* (469), Bolivia, spp. n., WARREN Washington U. S. Nation. Mus. Proc. **30**.

Eriopygidia euphemia Ecuador, DOGNIN (206) Ann. Soc. ent. Belgique **50**, sp. n.—*E. quadripunctata* Walk. = (*Hammaptera subrosea* Schaus) PROUT (36) Ent. Rec. 1906.

Eucestia fuscata California, GROSS-BECK (275) Canad. Entomol. **38**, sp. n.

Euchlaena effectaria, life-history, DYAR Psyche **13** (117-118).

Euchloris xuthoerania nom. n. for *Iodis submissaria* Meyr., *E. megaloptora* Low. = (*Chrysochloroma subalbida* WARR. = *E. hypoleucus* Low.) (127); *rhodocrossa*, *pisochroa*, *amphibola*, spp. n. Australia, TURNER Adelaide S. Aust. Trans. R. Soc. **30**.

Euchoeca comptaria synonymy, TAYLOR (203, 204) Canad. entomol. **38**.—*E. comptaria* Walk. synonymy (33-35); *E. exhumata* Catskill mts. sp. n. (36); PEAR-SALL Canad. Entomol. **38**.—*E. pear-salli* nom. n. for *Nomenia duodecim-lineata* Pack. part, DYAR (110) Canad. Entomol. **38**.

Euchontha castrona sp. n. Brazil, WARREN (411) Washington U. S. Nation. Mus. Proc. **30**.

Eucosmia certata ab., A. AIGNER Ann. Hist.-Nat. Mus. Nat. Hung. **4** (524).

Eucrostes saturata Oran, BANG-HAAS (137) pl. v f. 18 D. ent. Zs. Iris **19**, sp. n.

Eucymatoge albicristata, *albimeda* with ab. *brunneotincta*, (115), *brunneata* (116), *constellata*, *contaminata*, *discinota*, (117), *disrupta*, *distorta*, (118), *griseata*, *lichenosa*, (119), *nigribasis* with ab. n. *mediotaeniata*, *placens*, (120), *rusilunata*, *subrubescens*, (121), New Guinea, WARREN Nov. Zool. **13**, spp. n.—*E. vancouverata* Brit. Columbia, TAYLOR (397) Canad. Entomol. **38**, sp. n.

Eudule basipuncta, Peru, *parca* Ecuador, spp. n., WARREN (466) Washington U. S. Nation. Mus. Proc. **30**.

Eumacrodus excilinea sp. n. Guiana, WARREN (414) T.c.

Eupileta ? *subcaesia* sp. n. Guiana, WARREN (521) T.c.

Eupithecia; notes and figures of palaearctic (55-67) plates i-iv; *lacteolata* Kasikoparan (56) pl. i f. 1, *ponderata* Ordubad (61) pl. i f. 13, spp. n.; DIETZE D. ent. Zs. Iris **19**.—Eier.

DRAUDT. D. ent. Zs. Iris **18** (280-320) 6 Taf. — Larvae and habits, TUTT (179-182 etc.) Ent. Rec. 1906. — *E. innotata*, allies queried, TUTT (157, 158) Ent. Rec. 1906. — *E. innotata* and *frasinata*, DADD (259), TUTT (260), *succenturiata*, *subfulvata*, *oxydata*, DADD (261), TUTT (261); Ent. Rec. London 1906. — *E. succenturiata* varr., DIETZE (121-126) pl. iv, D. ent. Zs. Iris **19**. — *E. youngata*, Ottawa, TAYLOR (225) Ottawa Nat. **19** and (404) Canad. Entomol. **38**, sp. n. — *E. regina* (102), *alberta*, *dodata*, (103), *adornata* (104), Alberta, TAYLOR Canad. Entomol. **38**, spp. n. — *E. olivacea* (389), *harveyata*, *dyarata*, (390), *hanhami* (391), *bryanti* (392), *obumbrata*, *modesta*, (393), *insignificata* (394), with var. ? *sublineata*, *perbrunneata* (395), British Columbia, TAYLOR Canad. Entomol. **38**, spp. n. — *E. bolena* sp. n. Arizona, TAYLOR (191) Ent. News **17**.

Euseneia semibrunnea sp. n. Bolivia, WARREN (541) Washington U. S. Nation. Mus. Proc. **30**.

Eustroma harveyata Brit. Columbia, TAYLOR (398) Canad. Entomol. **38**, sp. n.

Fidonia pratana = (*Cid. ectypata* Mab.), MABILLE (34) Paris Ann. Soc. ent. **75**.

Fulgurodes virginalis Peru, DOGNIN (116) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Garaeus papuensis New Guinea, WARREN (157) Nov. Zool. Tring **13**, sp. n.

Gathymia cassata (403), *ochripennis* (404), Mexico, spp. n., WARREN Washington U. S. Nation. Mus. Proc. **30**.

Gelasma subrufescens sp. n. Guiana, WARREN (417) T.c. — *G. imitans* (87), *invidens*, *spumata*, (88), New Guinea, WARREN Nov. Zool. Tring **13**, spp. n.

Gnophos, *Acidalia*, *Tephroclystia*, FUCHS Ent. Zs. Guben **20** (76-77). — *G. glaucinaria supinaria*, PREISSECKER (241) Wien Verh. Zool. bot. Ges. 1906.

Gonodela papuensis and varr. New Guinea, WARREN (154) Nov. Zool. Tring **13**, sp. n.

Gymnoscelis crassifemur New Guinea, WARREN (122) T.c., sp. n.

Gonodontis? subflavaria sp. n. Texas, PEARSALL (218) Brooklyn Mus. Bull. **1**.

Gonorthus bilineata sp. n. Guiana, WARREN (543) Washington U. S. Nation. Mus. Proc. **30**.

Graphipidus flavifilata Colombia, DOGNIN (113) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Gymnoscelis nigella. Ile Maurice, JOANNIS (179) pl. ix f. 10 Paris Ann. Soc. ent. **75**, sp. n.

Gynopteryx gladiaria variation and synonymy, PROUT (15, 16) London Proc. ent. Soc. 1906.

Gyostega rufimacula sp. n. Guiana (496), WARREN Washington U. S. Nation. Mus. Proc. **30**.

Haemalea comminuta (444), *fragmentaria* (445), *venipunctata* (446), Guiana, spp. n., WARREN Washington U. S. Nation. Mus. Proc. **30**.

Hammaptera subrosea cf. *Eriopygidia quadripunctata*. — *H. subvinosa* Tucuman, DOGNIN (206) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Hastina viridata New Guinea, WARREN (107) Nov. Zool. **13**, sp. n.

Hemiphrieta gen. n. near *Berberodes*, *albicostata* sp. n. Guiana, WARREN (497) Washington U. S. Nation. Mus. Proc. **30**.

Hemipterodes gen. n. near *Lipomelia*, *subnigrata* sp. n. Guiana, WARREN (446) T.c.

Heterophya aurata (447), *fulvescens*, Guiana, *grisea* Trinidad, *scripturata*, (448), *semibrunnea* (449), Guiana, spp. n., WARREN T.c.

Heterodisca castanea New Guinea, WARREN (157) Nov. Zool. Tring **13**, sp. n.

Heterolocha snoviaria Hulst to Sieya, TAYLOR (131) New York J. ent. Soc. **14**.

Heterusia subtessellata Peru, DOGNIN (113) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Himera pennaria ab. *obscura*, A. AIGNER Ann. Hist.-Nat. Hung. **4** (527).

Homospora rhodoscopa Low. = (*procrita* Turn.), TURNER (133) Adelaide S. Aust. Trans. R. Soc. **30**.

Hybernica aurantiaria Bkh. ♂ nova ab. *fumipennaria*, HELLEWEGER Ent. Zs. Guben **20** (210-211). — *H. bajaria* ab. n. *kempyaria*, GALVAGNI Wien Verh. Zool.-bot. Ges. 1906. — *H. leucophaearia* varr.,

HAVERKAMFF (158, 159) Bruxelles Ann. Soc. ent. Belgique 50.

Hydrelia papuensis with ab. n. *dorsinotata* New Guinea, WARREN (108) Nov. Zool. 13, sp. n.

Hydriomena autumnalis var. n. *columbiata* (399); *H. manzanita* n. sp. Brit. Columbia (400); TAYLOR Canad. Entomol. 38.—*H. multipunctata* California (188), *magnificata* Arizona (189), TAYLOR Ent. News 17, spp. n.—*H. violascens* (111), *obfuscens* (112), Ecuador, DOGNIN Bruxelles Ann. Soc. ent. Belgique 50, spp. n.

Hygrochroa springaria ab. n. *hofmanni*, SCHREIBER (58) pl. Regensburg Ber. natw. Ver. 9.

Hymenomima exangulata, *subnigrata*, Guiana, spp. n., WARREN (508) Washington U. S. Nation. Mus. Proc. 30.

Hypochroma purpurissa New Guinea, WARREN (77) pl. x f. 14, Nov. Zool. Tring 13, sp. n.

Hypometalla purpurea (521) *H. ? scintillans* (522), spp. n., Guiana, WARREN Washington U. S. Nation. Mus. Proc. 30.

Idialeis gen. n. type *Phibalapteryx jacintha* Butl., *mexicana* sp. n. Mexico, WARREN (509) T. c.

Idiodes homophaea, *loxosticha*, Australia, TURNER (135) Adelaide S. Aust. Trans. R. Soc. 30, spp. n.

Iodis bicolor (88), *commixta* (89), New Guinea, WARREN Nov. Zool. Tring 13, spp. n.—*I. illidgei* cf. *Chlorochroma*, *I. submissaria* cf. *Euchloris*.

Ira albirenata sp. n. Peru, WARREN (543) Washington D. C. U. S. Nation. Mus. Proc. 30.

Iridopsis cupepla, *fusilinea*, (510), *humilis* (511), Cuba, *invenusta* Brazil, *memor* Guiana, (512), *rufisparsa* Cuba, *transvisata* Guiana, (513), spp. n., WARREN T. c.

Iridopsis piperata Peru, DOGNIN (209) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Iulocera albinigra New Guinea, WARREN (155) Nov. Zool. Tring 13, sp. n.

Ixala adventaria sp. n. Arizona, PEARSELL (216) Brooklyn N. Y. Mus. Bull. 1.

Larentia eteocretica, *lasithiotica*, Crete, REBEL (233) Wien Verh. Zool.-bot. Ges. 1906, spp. n.—*L. unangulata* var. n. *gracilaria*, *albida* Herz pl. v f. 19, BANG-HAAS (139) D. ent. Zs. Iris 19.—*L. alaudaria*, *lugubrata*, *procellata*, *rivata*, *tristata*, abb.; A. AIGNER Ann. Hist.-Nat. Hung. 4 (524-525).—*L. tempestaria*, REBEL Wien Jahrb. Entom. Ver. 16 (53-73).—*L. picata* larval habits, GAUCKLER (102) D. ent. Zs. Iris 19.—*L. verberata* metamorphoses, CHRÉTIEN (125, 126) Naturaliste 1906.

Lepidospora gen. n. (522) near *Hypometalla*, *lanuginosa* sp. n. Brazil (523), WARREN Washington U. S. Nation. Mus. Proc. 30.

Lepidule sulcifera sp. n. Mexico, WARREN (467) T. c.

Leptotenopsis leucographa Peru, DOGNIN (106) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Leptomeris subfuscata Brit. Columbia, TAYLOR (402) Canad. Entomol. 38, sp. n.

Leuculopsis intermedia sp. n. Mexico, WARREN (501) Washington U. S. Nation. Mus. Proc. 30.

Lipomelia semisignata Venezuela, DOGNIN (110) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.—*L. ? tristrigata* sp. n. Guiana, WARREN (450) Washington U. S. Nation. Mus. Proc. 30.

Lissochlora sanguinipunctata Tucuman, DOGNIN (204) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Lithostege farinata, BUSSE Ent. Zs. Guben 20 1906 (27-28).—*L. notata* Tunis pl. v f. 16, BANG-HAAS (138) D. ent. Zs. Iris 19, sp. n.

Lobocleta gen. n. near *Cleta* (450), *translineata* sp. n. Guiana (451), WARREN Washington U. S. Nation. Mus. Proc. 30.

Lobophora appensata var. n. *baikalensis*, BANG-HAAS (138) D. ent. Zs. Iris 19.—*L. carpinata* var. n. *obscurata*, SCHNEIDER Tromsø Mus. Aarsh 28 (124).—*L. montanata*, PEARSELL (70 etc.) Canad. Entomol. 38.

Lobophysa gen. n. near *Gonophaga*, *ragilinea* sp. n. New Guinea, WARREN (158) Nov. Zool. Tring 13.

Lobura gen. n. near *Ptychopoda*, *ocellata* sp. n. Guiana, WARREN (452) Washington U. S. Nation. Mus. Proc. 30.

Lomographa discolorata Paraguay, *proximata* Bolivia, (492), *ultima* Guiana (493), **spp. n.**, WARREN T.c.

Lygris prunata ab. n. *flavicata*, SCHNEIDER Tromsø Mus. Aarsh 28 (125).

Macaria? flumenata **spp. n.** Arizona, PEARSALE (215) Brooklyn Mus. Bull. 1.—*M. quadrifasciata* **spp. n.** Arizona, TAYLOR (190) Ent. News 17.

Marmopteryx animata **spp. n.** Utah, PEARSALE (212) Brooklyn Mus. Bull. 1.

Marragodes comminuta Tucuman, DOGNIN (211) Bruxelles Ann. Soc. ent. Belgique 50, **spp. n.**

Megaloba **gen. n.** *Trichopteryginae* (109), *leucoeyma*, *M.?* *rhododactyla*, (110), *M. rubripicta* (111), **spp. n.**, New Guinea, WARREN Nov. Zool. Tring 13.

Melemaea virgata **spp. n.** Arizona, TAYLOR (188) and (319) Ent. News 17.

Melochlora affinis (117) *genuflexa*, *hydatodes*, (418), *obnubilata*, *vagilinea*, (419), Guiana, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. 30.

Meticulodes rufaria Peru, DOGNIN (213) Bruxelles Ann. Soc. ent. Belgique 50, **spp. n.**

Miantonota rectilinea **spp. n.** Cuba, WARREN (420) Washington U. S. Nation. Mus. Proc. 30.

Microgonia albicoma Bolivia (543), *cubana* Cuba, *foedaria* Peru (544), *punctilinea* Bolivia (545), *uniformis* Guiana, *vespertilio* Mexico, *xanthopepla* Guiana, (547), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. 30.

Micromia **gen. n.** *Tephroclystiinae*, *fulripuncta* **spp. n.** New Guinea, WARREN (122) Nov. Zool. 13.

Milionia pericallis R. and J. pl. iii f. 5, JORDAN (760) Nov. Zool. Tring 13.

Mimogonodes? subsignata **spp. n.** Venezuela, WARREN (547) Washington U. S. Nation. Mus. Proc. 30.

Mimomanes **gen. n.** *Heterusiinae*, *egregia* Bolivia, (114), *theclata* Peru (115), **spp. n.**, DOGNIN Bruxelles Ann. Soc. ent. Belgique 50.

Mimomiza flavescens Khasia hills, SWINHOE (284) Ann. Mag. Nat. Hist. 17, **spp. n.**

Mimophyle parallela **spp. n.** Guiana, WARREN (523) Washington U. S. Nation. Mus. Proc. 30.

Mimosema dorsilinea **spp. n.** Peru, WARREN (548) T.c.

Mnesithetis decolor Guiana, *rufipuncta* Brazil, **spp. n.**, WARREN (452) T.c.

Moneta **gen. n.** *Ennominae*, *plenicolor* **spp. n.** New Guinea, WARREN (159) pl. x f. 8 Nov. Zool. Tring 13.

Mychonia excisa **spp. n.** Mexico, WARREN (548) Washington U. S. Nation. Mus. Proc. 30.—*M. divaricata*, *rubida*, Peru, DOGNIN (212) Bruxelles Ann. Soc. ent. Belgique 50, **spp. n.**

Myrioblephara adumbrata, *complicata*, (142), *fulvirena* with ab. *defulvata*, *inquinata* (143), *lucidata*, *olivacea* with ab. *albiviridis*, *submarginata*, (144), New Guinea, WARREN Nov. Zool. Tring 13, **spp. n.**

Myrmecophantes velata **spp. n.** Colombia, WARREN (501) Washington U. S. Nation. Mus. Proc. 30.

Nadagara cuneigera New Guinea, WARREN (160) Nov. Zool. Tring 13, **spp. n.**

Narragodes lacvis **spp. n.** Peru, WARREN (524) Washington U. S. Nation. Mus. Proc. 30.

Nearcha alba cf. *Acibdela*.

Neazata **gen. n.** *Semiothisinae*, *multistrigaria* **spp. n.** Brazil, WARREN (525) Washington U. S. Nation. Mus. Proc. 30.

Nematocampa falsa **spp. n.** Guiana, WARREN (549) T.c.

Nemoria pellucidula Queensland. TURNER (129) Adelaide S. Aust. Trans. R. soc. 30, **spp. n.**

Neodeta **gen. n.** *Epiplemidæ* (404), *fasciata*, *nana*, Guiana, *ochriplaga* Brazil, (405), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. 30.

Neodontopera **gen. n.** (549), near *Nematocampa*, *cinerea* **spp. n.** Mexico (550), WARREN T.c.

Neozuga **gen. n.** (497), near *Berberodes*, *latifascia*, *strictifascia*, Guiana, **spp. n.**, (498), WARREN T.c.

Nesaleis rufivenata Chiriqui, DOGNIN (118) Bruxelles Ann. Soc. ent. Belgique 50, **spp. n.**

Nipteria deformis Peru, *marginata* Argentina, *sabulosa* Colombia, **spp. n.**, WARREN (502) Washington U. S. Nation.

Mus. Proc. 30.—*N. saturata* Argentina, DOGNIN (117) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Nomenia and *Euchoeca*, components, duodecimlineata synonymy, DYAR (110) Canad. Entomol. 38.—*N. unipecta* California (35) with var. *secunda* (38), PEARSALE Canad. Entomol. 38, sp. n.

Noreia pulverosa New Guinea, WARREN (76) Nov. Zool. Tring 13, sp. n.

Notoptya gen. n. *Epiplemidæ*, fuscularia sp. n. Brazil, WARREN (406) Washington U. S. Nation. Mus. Proc. 30.

Numia albiseeta sp. n. Cuba, WARREN (550) T.c.

Nycterephes gen. n. *Selidoseminæ* (135), *coracopa* sp. n. W. Australia (136), TURNER Adelaide S. Aust. Trans. R. Soc. 30.

Nyssia zonaria lapidaria hybrid merana, BURROWS (132) Ent. Rec. 1906.

Obelopteryx gen. n. near *Eranis* (407), *angusta* sp. n. Peru (408), WARREN Washington U. S. Nation. Mus. Proc. 30.

Ochyria dilatatoria, fulvistriga, pulchella, (100), *rubecula, subcaesia, unitaeniata*, (101), New Guinea, WARREN Nov. Zool. Tring 13, spp. n.

Oedomia gen. n. *Epipaschiinæ*, *hispidia* sp. n. Guiana, DOGNIN (120) Bruxelles Ann. Soc. ent. Belgique 50.

Omopera gen. n. near *Ptychopoda*, *angulata* sp. n. Guiana, WARREN (453) Washington U. S. Nation. Mus. Proc. 30.

Oospila sellifera sp. n. Guiana, WARREN (420) T.c.

Oporabia dilutata, christyi a valid species, its variation, ALLEN (85-89) Ent. Rec. 1906.

Oreonoma rubriplaga sp. n. Peru, WARREN (470) Washington U. S. Nation. Mus. Proc. 30.

Orsonoba paulusi Palästina, REBEL (78) Wien Verh. zool.-bot. Ges. 1906, sp. n.—*O. aegyptiaca* Mansura, REBEL (234) T.c., sp. n.

Ozola (?) *bicolorata* sp. n. Karolinen Archipel, SEMPER (266) D. ent. Zs. Iris 18.

Pammeris gen. n. near *Tricentra*, *albiguttata, fumata*, Guiana, spp. n.,

WARREN (454) Washington U. S. Nation. Mus. Proc. 30.

Paraleidia gen. n. *Ascotinae*, *errabunda*, (145), *marginata, rufivenata*, (146), spp. n., New Guinea, WARREN Nov. Zool. Tring 13.

Paraleis coerulescens, curvilinea, (147), *deformis, discata* with *abb. alterata* and *albicausa*, (148), *fulviseeta, junctilinea* with *ab. punctata*, (149), *latimedia, pallidimargo*, (150), *ruptilinea, venusta*, (151), New Guinea, WARREN T.c., spp. n.

Paramilionia gen. n., *rubroplagata* sp. n. Sierra Leone, BETHUNE-BAKER (345) Ann. Mag. Nat. Hist. 18; T.c. p. 473, cancelled as being *Sangala gloriosa*.

Patalene sordida sp. n. Jamaica. WARREN (551) Washington U. S. Nation. Mus. Proc. 30.

Periclina cervina sp. n. Mexico, WARREN (551) T.c.

Perigramma albivena Guiana, DOGNIN (116) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Perixera ? *biseta, festiva*, (90), *indigens, stabilata, P. subrosea*, (91), New Guinea, WARREN Nov. Zool. 13, spp. n.

Perizoma; variation of British species, PROUT London Trans. City Nat. Hist. Soc. 1905 (25-46).—*P. rectilineata* to *Chaetolopha*, WARREN (95) Nov. Zool. Tring 13.

Pero atridisca Peru, DOGNIN (213) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.—*P. binasata, disjuncta*, (552), *foeda* (553), Guiana, spp. n., WARREN Washington U. S. Nation. Mus. Proc. 30.

Petrodava gibbosa ab. n. *subradiata*, WARREN (156) Nov. Zool. Tring 13.

Phasiane clathrata ab. *nocturnata*, A. AIGNER Ann. Hist.-Nat. Hung. 4 (527-528).

Pherotesia indistincta sp. n. Mexico, WARREN (514) Washington U. S. Nation. Mus. Proc. 30.

Philopsia canavestita United States, PEARSALE (118) Canad. Entomol. 38, sp. n.

Phrudura gen. n. *Boarmiidae* type *Bapta pura* Swinh., SWINHOE (554) Ann. Mag. Nat. Hist. 17.

Phrygonis fratercula (499), *sororcula* (500), Cuba, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. 30.

Physoleora albibrunnea Guiana, *cretaria* Parana, (515), *fulgurata* Guiana, *fuscicosta* Brazil, (516), *nubilata* Guiana, *rectivecta* Brazil, (517), *scutigera* Bolivia, (518), *suffusca* hab.?, *venirufata* Brazil, (519), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. 30.

Pigia albiserpentata **sp. n.** Arizona, PEARSELL (212) Brooklyn Mus. Bull. 1.

Plutodes connexa New Guinea, WARREN (137) Nov. Zool. 13, **sp. n.**

Pocillasthena dorsilinea New Guinea, WARREN (108) T.c., **sp. n.**

Polla albipuncta **sp. n.** Paraguay, WARREN (554) Washington U. S. Nation. Mus. Proc. 30.

Polypoetes aniplata **sp. n.** Bolivia, WARREN (412) T.c.

Polysphalia **gen. n.** *Tephroclystiinae*, *eristigera* **sp. n.** New Guinea, WARREN (123) Nov. Zool. 13.

Porona? balcata **sp. n.** Guiana, WARREN (524) Washington U. S. Nation. Mus. Proc. 30.

Prionia pulchricolor New Guinea, WARREN (160) Nov. Zool. Tring 13, **sp. n.**

Problepsis magna New Guinea, WARREN (92) T.c., **sp. n.**

Prosthetopteryx **gen. n.** *Tephroclystiinae* (123), *barbata*, *caesiata*, (124), *cavilinea*, *latistriga*, (125), *parvipennata*, *rotundata*, (126), *viridisecta* (127), **spp. n.**, New Guinea; WARREN T.c.

Psaliodes bistrigata Colombia, DOGNIN (207) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Pseudosellodes lacunata Argentina, DOGNIN (109) T.c., **spp. n.**

Pseudoterpna paroptila Queensland, TURNER (130) Adelaide S. Austr. Trans. R. Soc. 30, **sp. n.**—*P. clacaria* cf. *Actenochroma subochracea*.

Pterotaea memoria **sp. n.** Arizona, PEARSELL (217) Brooklyn Mus. Bull. 1.

Plochophyle rectilineata Sumatra, SWINHOE (554) Ann. Mag. Nat. Hist. 17, **sp. n.**

Ptychoda bipartita, *exempta*, New Guinea, WARREN (92) Nov. Zool. Tring 13, **spp. n.**—*P. finita*, *fissilinea*, (455), (N-9720 j)

flavicincta, *flexivitta*, Guiana, *imbellis* Jamaica, (456), *marascia* Brazil, *musci-fasciata*, *purpureovittata*, (457), *rufarenaria*, *similinea*, (458), *tenebrica*, *ustimargo*, (459), *vagula*, *vitticostata*, (460), Guiana, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. 30.—*P. muscilineata* Tucuman, DOGNIN (204) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Ptychotheca **gen. n.** *Tephroclystiinae* for *Chloroclystis pallidivirens* Warr., WARREN (127) Nov. Zool. 13.

Pyenoloma **gen. n.** *Tephroclystiinae*, *rufibasis* **sp. n.** New Guinea, WARREN (128) T.c.

Pyenonera rectilineata **sp. n.** Guiana, WARREN (408) Washington U. S. Nation. Mus. Proc. 30.

Pyrinia acmula Bolivia, *albilineata*, (555), *insula* Guiana, *præfulvata* Bolivia (557), **sp. n.**, WARREN T.c.

Pyrrhorachis ruficeps New Guinea, WARREN (89) Nov. Zool. Tring 13, **sp. n.**

Racheolopha carmelunata, *coerulea*, (421), *confluaria*, *continuata*, *dearsa*, (422), *rubescens*, *extensata*, (423), *flore-picta*, *ilacina*, (424), *longipalpis*, *nivetacta*, (425), *pallida*, *sporadata*, (426), Guiana, **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. 30.

Remodes parviplaga New Guinea, WARREN (111) Nov. Zool. Tring 13, **sp. n.**

Rhenmaptera hastata allies, ab. n. *demolita* (32), PROUT (22-34) London Trans. City Nat. Hist. Soc. 1906.

Rhomborista exililinea New Guinea, WARREN (89) Nov. Zool. Tring 13, **sp. n.**

Rhopalodes viridularia (207), *fragmentata*, Chile, R. ? *radiata* Peru, (208), DOGNIN Bruxelles Ann. Soc. ent. Belgique 50, **spp. n.**

Sabulodes arizonata (130), *costinotata* (131), Arizona, TAYLOR New York J. Ent. Soc. 14, **spp. n.**—S. ? *amplicineraria* **sp. n.** Utah, PEARSELL (219) Brooklyn Mus. Bull. 1.

Sangala lucida Bolivia, DOGNIN (115) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Sangalopsis mediata **sp. n.** Bolivia, WARREN (503) Washington U. S. Nation. Mus. Proc. 30.

Sauria atrilineata, *griseolauta*, New Guinea, WARREN (112) Nov. Zool. Tring 13, **spp. n.**

Seea obliquaria **sp. n.** Brazil, WARREN (412) Washington U. S. Nation. Mus. Proc. 30.

Schistocolpia **gen. n.** (460) near *Dysephyra*, *crivita* **sp. n.** Guiana (461), WARREN Washington U. S. Nation. Mus. Proc. 30.

Sciagraphia stabilata **sp. n.** Mexico, WARREN (525) Washington U. S. Nation. Mus. Proc. 30.

Scodiona nobiliaria Oran, BANG-HAAS (141) pl. v f. 13 D. ent. Zs. Iris 19, **sp. n.**

Scopula Schrank, type *ornata*, to be used for *Acidaliids*, PROUT (266) Entomologist 1906.

Scoriopsis **gen. n.** near *Nipteria*, *nigrirenata* **sp. n.** Mexico, WARREN (503) Washington U. S. Nation. Mus. Proc. 30.

Scotura discolor Brazil, *nigrata* Guiana, **spp. n.**, WARREN (412) T.c.

Sebastia assimilis Guiana (473), *baltesta* Mexico, *deldavia*, (474), *dormita*, *humerala*, Brazil, (475), *olivaria* Ecuador, *pallidistriga* Mexico, (476), **spp. n.**, WARREN T.c.

Selidosema umbrosarium and *indictaria*, PEARSELL (178) Canad. Entomol. 38.—*S. viridis* Queensland, TURNER (133) Adelaide S. Aust. Trans. R. Soc. 30, **sp. n.**

Semiothisa abrupta Guiana, (526), *atomaria* Peru, *decorata*, (527), *fervens*, Guiana, *lapidata* Mexico, (528), *liquata* Peru, *multistriata* Brazil, (529), *plurimaculata* Guiana, *punctistriata* Mexico, (530), *subfulva* Panama, *sarda* Colombia, (531), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. 30.—*S. niptera* Ecuador, DOGNIN (119) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Siculodopsis dubia Ecuador (406), *gracilinea* Peru (407), **spp. n.**, WARREN Washington U. S. Nation. Mus. Proc. 30.

Somatina azonaria cf. *Cidaria mediovittaria*.

Spectrobasis **gen. n.** *Hydriomeninae*, *rufa*, (102), *viridis* (103), **spp. n.**, New Guinea, WARREN Nov. Zool. Tring 13.

Stegania dilectaria, gynandromorph, WAGNER Insektenbörse 23 (104).

Steirophora violacea New Guinea, WARREN (113) Nov. Zool. 13, **sp. n.**

Stenalcidia cervinifusa Peru, DOGNIN (117) Bruxelles Ann. Soc. ent. Belgique

50, **sp. n.**—*S. curvifera* Peru, *illineata* Tucuman, DOGNIN (210) T.c., **spp. n.**—*S. nitens* **sp. n.** Brazil, WARREN (520) Washington U. S. Nation. Mus. Proc. 30.

Stenaspilutes egregiata **sp. n.** Texas, PEARSELL (218) Brooklyn Mus. Bull. 1.—*S. flavisaria* Arizona (272), *smithii* California (273), GROSSBECK Canad. Entomol. 38, **spp. n.**

Stenoplastis transversa **sp. n.** Guiana, WARREN (413) Washington U. S. Nation. Mus. Proc. 30.

Stenotrachelys insularis **sp. n.** Cuba, WARREN (520) T.c.

Sterrhia farada **sp. n.** Mexico, WARREN (461) T.c.

Stesichora pura, *strigifera* with ab. *crassistriga*, New Guinea, WARREN Nov. Zool. Tring 13, **spp. n.**

Stigma atraria Alexander mts., BANG-HAAS (137) D. ent. Zs. Iris 19, **sp. n.**

Syncosmia colorata New Guinea, WARREN (123) Nov. Zool. 13, **sp. n.**

Syncreneis **gen. n.** near *Pyrinia*, *ustimargo* **sp. n.** Guiana, WARREN (557) Washington U. S. Nation. Mus. Proc. 30.

Syuelys irrufata **sp. n.** Mexico, WARREN (462) Washington U. S. Nation. Mus. Proc. 30.

Syntaraeta albibasis with ab. *plumbea* and *atriplena* (134), *clathrata* with ab. *fasciata* (135), *fulvata* with ab. *tephrospila*, *nigrellata* with ab. *scutigera* and *semifascia*, (136), New Guinea, WARREN Nov. Zool. 13, **spp. n.**

Tachyplyle costiscripta (426), *subfulvata* (427), Guiana, **spp. n.**, WARREN (427) Washington U. S. Nation. Mus. Proc. 30.

Talledgea merged in *Philopsia*, PEARSELL (415) Canad. Entomol. 38.—*T. tabulata* to *Lobophora*, PEARSELL (119) Canad. Ent. 38.

Tephрина albiseeta Mexico, T. ? *confertistriga* Brazil, **spp. n.**, WARREN (532) Washington U. S. Nation. Mus. Proc. 30.

Tephrinopsis indeterminata **sp. n.** Mexico, WARREN (533) T.c.—*T. memor* Peru, DOGNIN (212) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**—*T. subumbrata* Buenos Aires, DOGNIN (119) T.c., **sp. n.**

Tephroclystia boryata, *tenerifensis*, Tenerife, REBEL (32) Wien Ann. Nat.

Hist. Hofmus. **21**, spp. n.—*T. albibisecta*, *coerulescens*, *currimacula*, (129), *decens*, *flavicorpus*, (130), *ornatipennis*, *stabilis*, *albmixta*, (131), New Guinea, WARREN Nov. Zool. **13**, spp. n.—*T. anita*, *antaria*, (477), *collineata*, Brazil, *conduplicata*, (478), *consors*, Mexico, *defimbriata* Brazil, (479), *discipuncta* Mexico, *gaumaria* Brazil, (480), *goslina* Mexico, *hastaria* Brazil, (481), *helenaria* Brazil, *indecisa* Mexico, (482), *infrequens* hab. ?, *kurtia*, *leucographata*, (483), *mediobrunnea*, *mollita*, (484), Mexico, *muscistrigata* Brazil, *parcirufa* Bolivia, (485), *perolivata* Peru (486), *piclimargo*, *planipennis*, *rauea*, (487), *sellia*, Mexico, *semilignata*, (488), *semirufescens*, Brazil, *subalba* Mexico, (489), *submiranda* Guiana, *sylpharia*, (490), *uvaria*, Brazil, *violetta*, (491), *vestonaria* (492), Mexico, spp. n., WARREN Washington U. S. Nation. Mus. Proc. **30**.—*T. furvipennis*, *semilugens*, Tucuman, DOGNIN (209) Bruxelles Ann. Soc. ent. Belgique **50**, spp. n.—*T. graphata* ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (526).

Tephronia fatimaria Oran, BANGHAAS (140) pl. v f. 14 D. ent. Zs. Iris **19**, sp. n.

Tephrosia luridata ab., DAWS (160) Entomologist 1906.

Thalassodes zeburata New Guinea, WARREN (90) Nov. Zool. Tring **13**, sp. n.

Therapis etonymiaria ab., A. AIGNER Ann. Hist.-Nat. Hung. **4** (527).

Timandra amata ab., A. AIGNER, l.c.

Tolmera marescens New Guinea sp. n., *albibasalis* Warr. ? ; WARREN (152) Nov. Zool. Tring **13**.

Tricentra avilimbata, *biguttata*, (462), *brunneomarginata*, *colligata*, (463), *consequens*, *flavistigma*, (464), *ignefumosa*, *percrocea*, (465), *vinosata*, (466), spp. n., Guiana, WARREN Washington U. S. Nation. Mus. Proc. **30**.—*T. debilis* Guiana, DOGNIN (111) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Trichodezia; components, PEARSALE (414) Canad. Entomol. **38**.

Trochiodes subpohliata sp. n. Bolivia, WARREN (476) Washington U. S. Nation. Mus. Proc. **30**.

Trochistis albivertex, *asinina*, *rufoliva*, (153), *vulpina* (154), New Guinea, WARREN Nov. Zool. Tring **13**, spp. n.

(N-9720 j)

Xanthorhoe albiapicata, *bifurcata*, (103), *cerasina* pl. x f. 5, *coeruleata*, *fulvinotata*, (104), *interrupta* pl. x f. 6, *monastica*, (105), *plumbilinea* (106), New Guinea, WARREN T.c., spp. n.—*X. circumvallaria* Alberta, Taylor (205) Canad. Ent. **38**, sp. n.—*X. pontiaria* (400), *fossaria* (401), Brit. Columbia, TAYLOR T.c., spp. n.—*X. ? suffocata* Tucuman, DOGNIN (205) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.—*X. subductata* pl. xlv f. 7, HOWES (509) Wellington Trans. N. Zeal. Inst. **38**.—*X. ferrugata*, crossing forms, PROUT (525-531) London Trans. ent. Soc. 1906.

Xenoclystia gen. n. near *Tephroclystia*, *delectans*, (132), *delicata*, *humerala*, *unipuncta*, (133), spp. n., New Guinea, WARREN Nov. Zool. **13**.

Xenoecista trimaculata sp. n. Guiana, WARREN (533) Washington U. S. Nation. Mus. Proc. **30**.

Xenomigia gen. n. (413) near *Stenoplastis*, *veninotata* sp. n. Colombia (414), WARREN T.c.

Zenophleps victoria Brit. Columbia, TAYLOR (399) Canad. Entomol. **38**, sp. n.

The following entries of Geometridae have previously appeared in the Zoological Record.

(*Acidalia tabianaria* Parma, *gianellaria* Donnaz, TURATI Naturalista sicil. Palermo **18** 1905, spp. n.—*A. perornata* THIÉRY MIEG, Naturaliste **26** sp. n.)

(*Angerona simulatrix* sp. n., THIÉRY MIEG T.c.)

(*Aplogompha aurifera* sp. n. THIÉRY-MIEG, Naturaliste **26**.)

(*Aselina notodontium* THIÉRY-MIEG, T.c., sp. n.)

(*Belntodes* gen. n. THIÉRY-MIEG, T.c.)

(*Callipia paradisiae*, *rosetta*, THIÉRY-MIEG, T.c. spp. n.)

(*Callygris* gen. n., THIÉRY-MIEG, T.c.)

(*Cidaria selika* sp. n. THIÉRY MIEG Op. cit. **27**.)

(*Enschema auriplena* sp. n., *malayaria* Guénée, *paupera*, *remota* Walk. *ancdata*, *remota* Walk. *albimacula*, varr. n., THIÉRY-MIEG, Naturaliste **26**, 1904.)

(*Grammicopteryx* gen. n., THIÉRY-MIEG, T.c.)

(*Lygris prunata*, THIÉRY-MIEG, T.c. sp. n.)

(*Lythria purpuraria* DEMAISON, Paris, Bul. Soc. ent. 1905, (125-126).)

(*Marmopteryx elongata*, THIÉRY-MIEG, Naturaliste 26 1901, sp. n.)

(*Milionia glauca* Cr. *bavirubra* var. n. THIÉRY-MIEG, Naturaliste 27 1905.)

(*Nelo versicolor* sp. n. THIÉRY-MIEG, Naturaliste 26.—*Nelo decipiens*, *tricolor*, THIÉRY-MIEG, Op. cit. 27 1905, spp. n.)

(*Ophthalmophora chouya* sp. n. THIÉRY MIEG Naturaliste.)

(*Ourapteryx givela* sp. n., *ourapteryx multistrigaria* Walk. *furissima* var. n., THIÉRY MIEG, T.c.)

(*Paraphnaeus* gen. n. THIÉRY-MIEG, Naturaliste, 26, 1904.)

(*Parascotia nisseni* Algeri, TURATI, Naturalista sicil. Palermo 18 1905 (42-43), sp. n.)

(*Pareuschema* gen. n. (type *P. regalis* Butl.) THIÉRY-MIEG, Naturaliste 27 1905.)

(*Parourapteryx* gen. n. THIÉRY-MIEG, Naturaliste 26 1904.)

(*Phellinodes leucophasiata* sp. n. THIÉRY-MIEG, Naturaliste 26.)

(*Problepsis renus*, *maxima*, *mozambica*, THIÉRY-MIEG, Naturaliste spp. n.)

(*Promasia* gen. n. CHRÉTIEN, Naturaliste, 27, 1905.)

(*Pseudobryophila* gen. n., *preciosa* sp. n. THIÉRY-MIEG, Naturaliste.)

(*Ripula mahometaria* H. *chiffa* var. n. THIÉRY-MIEG, Naturaliste.)

(*Scordamia ditissima* THIÉRY-MIEG, Naturaliste sp. n.)

(*Scordylia aurica*, *pacifica*, THIÉRY-MIEG, Naturaliste 26 1904, spp. n.)

(*Stumnodes mirifica* sp. n. THIÉRY-MIEG, T.c.)

(*Stigma kuldshaensis* Alph. var. *negrita* var. n., THIÉRY-MIEG, Naturaliste.)

(*Syuneuria ditissima* THIÉRY-MIEG, Naturaliste 26 1904, sp. n.)

(*Tephрина clusei* THIÉRY-MIEG, sp. n. Naturaliste.)

(*Tephroclystia tomillata* CHRÉTIEN, Paris Bul. soc. ent. 1904, (133-134) sp. n.)

PYRALIDAE, THYRIDIDAE.

Nymphulinae and *Scopariinae* of North America; monograph, DYAR New York J. Ent. Soc. 14 (77-107).

(*Abaera aurofusalis* Brazil, HAMPSON (191) Ann. Mag. Nat. Hist 17, sp. n.

Acallis trichialis Brazil, HAMPSON (201) T.c., sp. n.

Acentropus niveus, HAUPT Wochenschr. Aquarienkunde Braunschweig 3 (355-356).

Actenia obliquisignalis (354), *achromalis* Natal, *rhodesialis* Mashonaland, *leucoplagia* Borneo, (355); HAMPSON Ann. Mag. Nat. Hist. 17, spp. n.

Addaea maculata, New Guinea, WARREN (63) Nov. Zool. Tring 13, sp. n.

Agathodes sumatralis Padang, SWINHOE (293) Ann. Mag. Nat. Hist. 17, sp. n.

Aglossa rhodalis Cape Colony, *phaealis* Basutoland, (218), *infuscalis* Zambesi, *oculalis* Texas, *ommatalis* Cyprus, (219), *rubralis* Centr. Africa, *approximalis* Nigeria, *ferrealis* Mashonaland, (220), *ocelliferalis* Uganda (221); HAMPSON Ann. Mag. Nat. Hist. 17, spp. n.

Ambasa umbrifarella Algérie, MABILLE (35) Paris ann. soc. ent. 75, sp. n.

Ambia mesoscotalis (456), *oligalis*, Louisiana Arch., *chalcichroalis*, (457), *melanalis*, Cape Colony, *phaeochroalis*, (458), *leucocymalis*, *aedizonalis*, (459); *albitessellalis* (460), Jamaica, *fusalis* Bali, *vagilinealis* New Guinea and Louisiana Arch., *albibasalis* Surinam, (461), *phaeozonalis* Mexico (462); HAMPSON Ann. Mag. Nat. Hist. 18, spp. n. — *A. striatalis* sp. n. Florida, DYAR (90) New York, J. Ent. Soc. 14.

Antennodes gen. n. for part of *Phryganodes* type *P. radicalis* Walk., HAMPSON (291) Ann. Mag. Nat. Hist. 17.

Aphytoceros cf. *Polgrammodes*.

Aracopaschia gen. n. *Epipaschianae*, *rufescentalis* sp. n. W. Australia; HAMPSON (134) Ann. Mag. Nat. Hist. 17.

Argyractis malayalis Selangor (375), *lophosomal* Brazil, *danaealis* Mexico, (376), *triopalis* (377), *pentopalis* (378), Sierra Leone, *chrysopalis* (378), *hamiferalis* (379), Mexico, *leucogonialis* (380) Panama, *longipennis* (381), *schistopalis*

(382), Mexico, *capensis* S. Africa, *nandinalis* E. Africa, (383), *tetropalis* Nigeria (384), *albulalis* Jamaica (385), *micropalis* Mexico (386), *parthenodalis* Argentina (387), *metazonalis* Brazil, *nigerialis*, *leucostrials*, W. Africa, (388), *nymphulalis* Natal (389); HAMPSON Op. cit. **18**, **spp. n.**—*A. cineralis*, *quadarensis*, (133), *herminalis*, *jalapalis*, (134), *cyloialis*, *sinitalis*, (135), Mexico, **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30**.—*A. leucistis* Ecuador, DOGNIN (184) Bruxelles Ann. Soc. ent. Belgique **50**, **sp. n.**

Arnautula constantialis Egypt, HAMPSON (123) Ann. Mag. Nat. Hist. **17**, **sp. n.**

Arona castanealis Trinidad, HAMPSON (207) T.c., **sp. n.**

Artia solutalis, (= *Caphys dubia* Druce part), *calidalis* (= *C. dubia* Druce part), Central America, (197), *excisalis* Brazil, (198); HAMPSON T.c., **spp. n.**—*A. statalis* Druce, cf. *Xantippe tinctalis*, *Parachma atripunctalis* and *Sarcistis phoenicealis*.

Arxama ochracealis Borneo, *cretacealis* Solomon islds.; HAMPSON (390) Ann. Mag. Nat. Hist. **18**, **spp. n.**

Aulacodes cyclozonalis, *metataxalis* New Guinea, (467), *pentopalis* Solomon islds., *goniophoralis* New Guinea, (468); HAMPSON T.c., **spp. n.**—*A. moralis*, *templalis*, (138), *confusalis*, *pampalis*, (139), Brazil, **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30**.

Banisia quinquelineata New Guinea, WARREN (63) Nov. Zool. Tring, **13** **sp. n.**

Blepharocerus ignitalis Chili, HAMPSON (200) Ann. Mag. Nat. Hist. **17**, **sp. n.**

Bocchoris fazanalis Khasia hills, SWINHOE (288) Ann. Mag. Nat. Hist. **17**, **sp. n.**—*B. vedonalis* Swinh. (as *Chabula*) earlier than *sphenocosma* Meyr. (as *Margaronia*); SWINHOE (288) T.c.

Bostra dipectinialis, *pyroxantha*, Mashonaland, *glaucaelis*, (345), *sentalis* E. Africa, *ochrigrammalis* Nigeria (346), *flammalis* Ceylon, *confusalis*, *rufimarginalis*, Cape Colony, *suffusalis* Sierra Leone, (347), *ferrealis* Transvaal, *pygmæa*, *ochrigraphalis*, *tenebralis*, E. Africa, (348), *scotalis* W. Africa, *flavilinealis* Kashmir, (349), *leucostigmalis* E. Africa, *xanthorhodalis* Natal. (350), *metaxanthialis* Ceylon (351); HAMPSON Ann. Mag. Nat. Hist. **17**, **spp. n.**

Brixia quartaria New Guinea, WARREN (64) Nov. Zool. **13**, **sp. n.**

Callasopia semirufalis Brazil, HAMPSON (212) Ann. Mag. Nat. Hist. **17**, **sp. n.**

Camadena emarginalis New Guinea, HAMPSON (115) T.c., **sp. n.**—*C. polystacta* Sikhim, HAMPSON (494) pl. xxxvi f. 7 London Proc. zool. Soc. 1906, **sp. n.**

Camptomastix hisdonalis synonymy and habitat; SWINHOE (286) Ann. Mag. Nat. Hist. **17**.

Cangelta aurantiaca New Guinea, HAMPSON (212) Ann. Mag. Nat. Hist. **17**, **sp. n.**

Caphys microthyralis, *rufalis*, Brazil, *cuprealis* Paraguay, (202), *ditrogalis* Fr. Guiana (203); HAMPSON T.c., **spp. n.**—*C. subrosealis* Druce cf. *Xantippe biflalis*; *C. dubia* Druce cf. *Artia solutalis* and *calidalis*.

Cataclysta euclidialis Old Calabar (392), *metaternalis* Brazil (393); HAMPSON Ann. Mag. Nat. Hist. **18**, **spp. n.**—*C. jaliscaelis* (135), *orizabalis*, Mexico, *searalis* Brazil, (136), **spp. n.**, SCHAUS Washington U. S. Nation. Mus. Proc. **30**.

Ceratoclasia sulphitalis Sumatra, SWINHOE (414) Ann. Mag. Nat. Hist. **18**, **sp. n.**

Chalcidoptera incomitata cf. *Sylepta desmialis*.

Chilo simplex, natural history; LEFROY Agric. Res. Inst. Pusa **1** (97-114) pls. x, xi.

Chloropaschia **gen. n.** *Epipaschianae*, *thermalis* **sp. n.** Fr. Guiana, HAMPSON (141) Ann. Mag. Nat. Hist. **17**.

Cledeobia styphlotricha S. Africa, *palpangulalis* Transcaspia, (356), *bipunctalis* Algeria (357); HAMPSON T.c., **spp. n.**

Constantia leucogrammalis E. Africa (352), *phaeagonalis* Cape Colony, *poliopastalis* Algeria, (353), *aglossalis* Cape Colony, *fuscalis* Aden, (354); HAMPSON T.c., **spp. n.**

Cotachena binitreata Fergusson isld., HAMPSON (215) T.c., **sp. n.**

Crambus; natural history of some N. American, larval tubes etc., FELT (67-78) Albany N.Y. Bull. St. Mus. **104**.—*C. brachyrhabda* Sikhim, HAMPSON (494) pl. xxxvi f. 18 London Proc. Zool. Soc. 1906, **sp. n.**

Crocidophora habisalis Walk. to *Monocrocis*, SWINHOE (295) Ann. Mag. Nat. Hist. 17.

Ctenus gen. n. near *Rhaphiptera* (32), *malacellus* sp. n. Malaga (33), MABILLE Paris Ann. Soc. ent. 75.

Cyclidalis gen. n. *Chrysanginae* *chrysealis* sp. n. Brazil, HAMPSON (204) Ann. Mag. Nat. Hist. 17.

Cyclopalia phaealis Mexico, HAMPSON (203) T.c., sp. n.

Cymoriza parocalis, *jonesalis*, Brazil, spp. n., SCHAUS (137) Washington U. S. Nation. Mus. Proc. 30.

Dasygenemia agamalis Venezuela, HAMPSON (196) Ann. Mag. Nat. Hist. 17, sp. n.

Desmia and *Aediodes*; critical and descriptive list of the species in the Stettin Museum; HERING (52-108) Stettiner. ent. Ztg. 67.—*D. nominabilis* Texas (55), *trimaculalis* Ecuador (56), *herichialis* Colombia (59), *revindicata* Bolivia (66), *D. (Aediodes) niveiciliata* Haiti (76), *quadrimaculata* (83), *hoffmannsi* (88), Peru, *tenuimaculata* Bolivia (89), *peruviana* Peru (92), *falcatalis* Bolivia (94), *meyricki* Ferguson isld. (98), *pehlkei* Ecuador (103); HERING T.c., spp. n.—*D. vicina* Guiana, DOGNIN (121) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Deuterollyta pagiroa sp. n. Brazil, SCHAUS, (141) Washington U. S. Nation. Mus. Proc. 30.

Dichocrocis risealis Khasia hills, SWINHOE (292) Ann. Mag. Nat. Hist. 17, sp. n.

Diloxis ustalis Brazil, HAMPSON (199) Ann. Mag. Nat. History ser. 7 17, sp. n.

Dioryctria abietella var. n. *septentrionalis*, SCHNEIDER Tromsø Mus. Aarsh. 28 (133).—*D. splendidella* und *abietella* S. V., BAER Tharander forstl. Jahrb. 56 (63-85) 2 Taf.

Diploseustis nigerialis Old Calabar, *selenalis* New Guinea, HAMPSON (213) Ann. Mag. Nat. Hist. 17, spp. n.

Dracenta rusina, protective appearance, POULTON (533) pl. xxxii f. 1 London Trans. ent. Soc. 1906.

Dysodia rufiflava, Singapore, *penitarsis* Sumatra, HAMPSON (113) Ann. Mag. Nat. Hist. 17, spp. n.

Elacalis gen. n. *Pyralinae*, *olivalis* sp. n. E. Africa, HAMPSON (258) T.c.

Elophila brunnilidalis (91), *drumalis* (92), *slossonalis* (93), *schaefferalis* (95), North America, DYAR New York J. Ent. Soc. 14, spp. n.—*E. bifascialis* var. n. *kearfottalis*, Id. T.c. (92).

Endolophia gen. n. *Thyrididae*, *hypo-haemia* sp. n. Brit. Guiana, HAMPSON (116) Ann. Mag. Nat. Hist. 17.

Endotricha lobibasalis Queensland (208), *trichophoralis* Singapore, *hypogrammalis* China, (209), *nicobaralis* Nicobar islds., *E. (Perisseretwa) phaealis* New Guinea, *E. deuticostalis* Borneo, (210), *niocifimbrialis* Sierra Leone, *flavimbralis* Ashanti, (211), *mediolineata* Sikhim (212); HAMPSON T.c., spp. n.

Epitamyra purpurascens Fr. Guiana, *thermalis* Jamaica, HAMPSON (206) T.c., spp. n.

Eporidia phoeniusalis, Walk. = (*Phrynodes imbecilis* part Hamps.) SWINHOE (415) Ann. Mag. Nat. Hist. 18.

Eristea oligostigmalis Andaman islds. (389), *trigonalis* New Guinea (390); HAMPSON Ann. Mag. Nat. Hist. 18, spp. n.

Eschata radiata Gilolo, SWINHOE (555) Ann. Mag. Nat. Hist. 17, sp. n.

Endiopsis and allies (108-110); *attigua* Jamaica (114), *sahlkei* Cayenne (117), *gilvadorsis* Bolivia (137), spp. n.; HERING Stettiner ent. Ztg. 67.

Euglyphis falsalis Khasia hills, SWINHOE (290) Ann. Mag. Nat. Hist. 17, sp. n.

Eurythmia yavapaella sp. n. Arizona, DYAR (108) New York J. Ent. Soc. 14.

Euschraemon nigronaerualis Algérie, MABILLE (36) Paris Ann. Soc. ent. 75, sp. n.

Euzophera pusilla Biskra, MABILLE (35) T.c., sp. n.

Evergestis perobliquialis Tibet, HAMPSON (495) pl. xxxvi f. 20 London Proc. Zool. Soc. 1906, sp. n.

Galasa striginervalis Mexico, HAMPSON (200) Ann. Mag. Nat. Hist. 17, sp. n.

Galleria melouella, Immunität gegen Tuberkulose, METALNIKOV Arch. sc. biol. 12 (299-316) 2 Taf.

Gargela Walk. = (*Mixophila* Meyr.); *G. cuprealis* Borneo, *arcuialis* New

Guinea, *spp. n.*; HAMPSON (374) Ann. Mag. Nat. Hist. 18.

Geslva *gen. n.* *Nymphulinae* (95), *primordialis* *sp. n.* N. America (97), and *Nymphula canalis* auctt., DYAR New York J. Ent. Soc. 14.

Glyphodes mascarenalis HES Comores, JOANNIS (182) pl. ix f. 12 Paris Ann. Soc. ent. 75, *sp. n.*

Grammiphlebia *gen. n.* *Pyralinae*, *obliquialis* *sp. n.* E. Africa, HAMPSON (352) Ann. Mag. Nat. Hist. 17.

Hendecasis metalophalis Queensland, *diplogrammalis* Bali, *minutalis* Ceylon, HAMPSON (214) T.c., *spp. n.*

Herculia flammealis Madras, *ignefimbrialis* Ashanti, (263), *tristalis* Nigeria, *albifimbrialis* Kiukiang, (264); HAMPSON T.c., *spp. n.*

Heterange *gen. n.* *Chrysauginae* (193), *sarcalis* *sp. n.* Brazil (194); HAMPSON T.c.

Heterographis costabella Algérie, MAILLE (34) Paris Ann. Soc. ent. 75, *sp. n.*

Hyboloma pallidalis Burma, HAMPSON (265) Ann. Mag. Nat. Hist. 17, *sp. n.*

Hyperaclina rhodalis, *aenalis*, Fr. Guiana, HAMPSON (199) T.c., *spp. n.*

Idnea ochrebasalis Fr. Guiana, HAMPSON (192) T.c., *sp. n.*

Immyra *gen. n.* near *Salebria* (107), *nigrovittella* *sp. n.* Pennsylvania (108), DYAR New York J. Ent. Soc. 14.

Isocentris rubralis Khasia hills, *minimalis* Borneo, SWINHOE (295) Ann. Mag. Nat. Hist. 17, *spp. n.*

Jocara trilinealis Bahamas, *lophotalis* Jamaica, (131), *pietalis* Brazil, *ferrifusalis* Jamaica, (132), *discahis* Fr. Guiana, *oediperalis* Panama, (133); HAMPSON Ann. Mag. Nat. Hist. 17, *spp. n.*—*J. apicalis* *sp. n.* Mexico, SCHAU'S (141) Washington U. S. Nation. Mus. Proc. 30.

Lampropygia *gen. n.* *Pyralinae*, *metachrysalis* *sp. n.* Ashanti, HAMPSON (253) Ann. Mag. Nat. Hist. 17.

Lepidogma flagellalis Borneo, *melaleucalis* Ashanti, *melanobasis* Japan, (129), *dentilinealis* Br. E. Africa, *melanopalis* Borneo, (130), *rubricalis* Mashonaland (131); HAMPSON T.c., *spp. n.*

Lepidomys Guen. = (*Chalinitis*); *L. albiseetalis* Panama, *cuprealis* S.

America, *medialis* Argentina, *spp. n.*; HAMPSON T.c.

Letchena satelles with ab. *coeca* New Guinea, WARREN (64) Nov. Zool. Tring 13, *sp. n.*

Lineodes albicincta Brazil (151), *furcillata* Bolivia (150), *pulcherrima* Peru (155), HERING Stettiner ent. Ztg. 67, *spp. n.*

Loxoneptera albicostalis Sumatra, SWINHOE (415) Ann. Mag. Nat. Hist. 18; *sp. n.*

Lygropia subcuprea Argentina, DOGNIN (121) Bruxelles Ann. Soc. ent. Belgique 50, *sp. n.*—*L. leialis* San Salvador, DOGNIN (185) T.c., *sp. n.*

Macalla mixtirosalis Queensland, *claea* New Guinea, (135), *galeata* W. Australia, *aenochroa* New Guinea, *melapastalis* Africa, (136), *minoralis* Singapore, *fuscipectata* Natal, (137), *attenualis* Brit. Guiana, *fulvitinctalis* Brit. E. Africa, (138), *ochrotalis* Fr. Guiana, *niveornufa* Panama, *melanobasis* Mashonaland, (139), *grisealis* Brit. Guiana, *iquezonalis* Sierra Leone, *glaucochrysalis* Borneo (140), *metachryseis* Brit. E. Africa, (141); HAMPSON Ann. Mag. Nat. Hist. 17, *spp. n.*—*M. paranensis* Brazil, *albescens* hab?, *spp. n.*, SCHAU'S (140) Washington U. S. Nation. Mus. Proc. 30.

Macarotaera delicata Swinh. (as *Trichoptychodes*) = (*hesperis* Hamps.); SWINHOE (289) Ann. Mag. Nat. Hist. 17.

Margaronia saluensis Khasia hills, SWINHOE (294) T.c., *sp. n.*—*M. samoana* Samoa, SWINHOE (414) Op. cit. 18, *sp. n.*

Massepha marginalis Khasia hills, SWINHOE (287) Op. cit. 17, *sp. n.*

Mathoris leuistrialis Gold Coast, *multiguttata* Bolivia, HAMPSON (114) Ann. Mag. Nat. Hist. ser. 7 17, *spp. n.*

Melanalis *gen. n.* *Pyralinae*, *perfusca* *sp. n.* Natal; HAMPSON (359) T.c.

Melissoblaptes cissonobaphes Queensland, TURNER (90) Brisbane Proc. R. Soc. Queensland 19, *sp. n.*

Metaclysta *gen. n.* *Hydrocampinae*, *tetrommata* *sp. n.* Louisiade Arch.; HAMPSON (455) Ann. Mag. Nat. Hist. 18.

Microbelia *gen. n.* *Thyrididae* (64), *curvica* *sp. n.* New Guinea (65); WARREN Nov. Zool. Tring 13.

Micropaschia gen. n. *Epipaschianae* (122), *orthogrammalis* sp. n. Fr. Guiana (123); HAMPSON Ann. Mag. Nat. Hist. 17.

Monocrociis cf. *Crocidophora*.

Murgisea marshalli Natal, HAMPSON (204) Ann. Mag. Nat. Hist. 17, sp. n.

Myelois glendella sp. n. Colorado, DYAR (30) New York J. Ent. Soc. 14.

Nachaba diplagialis (208), *nyctalis* (209), S. America; HAMPSON Ann. Mag. Nat. Hist. 17, spp. n.

Nacoleia lentistrialis Paraguay, DOGNIN (184) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Neobostra gen. n. *Pyrulinae*, *ferruginealis* sp. n. Natal, HAMPSON (344) Ann. Mag. Nat. Hist. 17.

Nephoteryx hostilis larva, CHROMBRUGHE (271) Bruxelles Ann. Soc. ent. Belgique 50.

Noctuelia astrigalis Peru, DOGNIN (186) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Nymphula expatrialis, *polystictalis*, New Guinea; HAMPSON (391) Ann. Mag. Nat. Hist. 18, spp. n.—*N. franciscalis* sp. n. Brazil, SCHAU (139) Washington U. S. Nation. Mus. Proc. 30.—*N. litana* Walk. = (*Endotricha steuialis* Warr.); SWINHOE (414) Ann. Mag. Nat. Hist. 18.—*N. maculalis* varr. n. *foeminalis* & *masculinalis* (80), *nomophilalis* Florida &c. sp. n. (84), DYAR New York J. Ent. Soc. 14.

Ochresia flammealis S. America, HAMPSON (206) Ann. Mag. Nat. Hist. 17, sp. n.

Oligostigma alicialis, *melanotalis*, Ceylon, *bipunctalis* Nigeria, (463), *disca*lis Celebes, *camptoteles* Tambora, (464), *grisealis* Jamaica, *palleuca* Borneo, (465), *ectogonalis* Louisiade Arch., *aureopunctalis* India, with var. Java, *albifurcalis* Assam, (466); HAMPSON Op. cit. 18, spp. n.—*O. ducalis* sp. n. Brazil, SCHAU (136) Washington U. S. Nation. Mus. Proc. 30.—*O. vittatalis* sp. n. Florida, DYAR (89) New York J. Ent. Soc. 14.

Ollia parvella sp. n. Texas, DYAR (31) T.c.

Omiodes orenalis Andaman islands, SWINHOE (289) Ann. Mag. Nat. Hist. 17, sp. n.

Omphalepia gen. n. *Epipaschianae*, (190), *sobria* sp. n. Brit. E. Africa (191); HAMPSON Ann. Mag. Nat. Hist. 17.

Orthaga ferrealis Queensland (145), *rubridiscalis*, Australia and Louisiade Arch., *melanoperalis* Borneo, (146), *clionalis* and *bipartalis*, Singapore, (147); HAMPSON T.c., spp. n.

Oxychirotia ceylonica Peradeniya, *mesocola* Christmas isld., HAMPSON (216) T.c., spp. n.

Pachyzancla miniatalis Sumatra, SWINHOE (296) Ann. Mag. Nat. Hist. 17, sp. n.

Parachma thermalis Brazil (194), *atripunctalis* (= *Arta statalis* Druce part) Mexico, *ignefusalis* Bahamas (195), *rufostlavalis* Fr. Guiana, *pallidalis* Central America, (196); HAMPSON Ann. Mag. Nat. Hist. 17, spp. n.

Parachmidia picta Venezuela, HAMPSON (215) T.c., sp. n.

Paractenia thermalis Mashonaland (267), *phaeomesalis* E. Africa, *atrisparsalis* Mashonaland, (268); HAMPSON T.c., spp. n.

Paraglossa gen. n. near *Aglossa*, *atrisquamalis* E. Africa, (221), *zonalis* W. Africa (222), spp. n.; HAMPSON T.c.

Paraponyx dianalis (137), *paulalis* (138), Brazil, spp. n., SCHAU Washington U. S. Nation. Mus. Proc. 30.

Parthenodes berthalis sp. n. Brazil, SCHAU (140) T.c.—*P. inumanis* Borneo, *scotalis* Zambesi, *africalis* Nigeria, (470), *chalcialis* Brazil (471), *nymphudalis* Centr. America, *ectopalis* Borneo, (472); HAMPSON Ann. Mag. Nat. Hist. 18, spp. n.

Pelasgis caulichroalis Jamaica, HAMPSON (203) Op. cit. 17, sp. n.

Pharambara basalis New Guinea, WARREN (65) Nov. Zool. Tring 13, sp. n.

Phlyctaenodes xuthusalis Tibet, HAMPSON (491) pl. xxxvi f. 19 London Proc. Zool. Soc. 1906, sp. n.

Phostria cf. *Phryganodes*.

Phryganodes cf. *Anteunodes*. *P. origoalis* Hamp. to *Phostria*, SWINHOE (291) Ann. Mag. Nat. Hist. 17.

Phycis dilucidella to *Megasis*, JOHANNIS Paris, Bull. soc. ent. 1906. (154-155).

Plagiosella pectinifera Sierra Leone, HAMPSON (122) Ann. Mag. Nat. Hist. 17, sp. n.

Platamonia oggalis Khasia hills, SWINHOE (288) Ann. Mag. Nat. Hist. 17, sp. n.

Pleuroptya cf. *Sylepta*.

Pococera nigribasalis Guatemala (124), *hemimelas* Panama, *rufitinctalis* Paraguay (125), *polialis* Jamaica, *albiceps* Argentina, (126), *stenipteralis* Fr. Guiana, *albimedialis* Mexico, (127), *subviolascens* Argentina, *africalis* E. Africa, (128); HAMPSON Ann. Mag. Nat. Hist. 17, spp. n.

Polygrammodes grossalis Guen., to *Aphytoceres*; SWINHOE (296) Ann. Mag. Nat. Hist. 17.

Polylophota gen. n. *Epipaschianae*, *barbarossa* sp. n. New Guinea, HAMPSON (189) Ann. Mag. Nat. Hist. 17.

Poujadia pinella sp. n. Arizona, DYAR (31) New York J. Ent. Soc. 14.

(*Prionapteryx nebulifera*, habits DAEOCKE Ent. News 16 1905 (12-14) pl.)

Prosaris pulvereana (268), *rufalis* (269), S. Africa; HAMPSON Ann. Mag. Nat. Hist. 17, spp. n.

Pygospila cf. *Telepasta*.

Pyralis garalis sp. n. Brazil, SCHAUSS (141) Washington U. S. Nation. Mus. Proc. 30.—*P. oenalis* Ceylon, *costipunctalis* Borneo, *flavimedialis*, (254), *bryalis*, *cantalus*, (255), *ectacemialis*, *flavicapitalis*, W. Africa, *anaemicalis* E. Africa, *lorymalis* Aden, (256), *digonialis* S. Africa (257); HAMPSON Ann. Mag. Nat. Hist. 17, spp. n.

Pyrrange gen. n. *Chrysauginae*, *flammealis* sp. n. Tijuca; HAMPSON (207) Ann. Mag. Nat. Hist. 17.

Pyrausta erythropis Ecuador, DOGNIN (186) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.—*P. silvosalis* Khasia hills, SWINHOE (416) Ann. Mag. Nat. Hist. 18, sp. n.

Rehimena villalis Andaman islds., SWINHOE (287) Ann. Mag. Nat. Hist. 17, sp. n.

Rhodoneura dorihusalis synonymy and habitat, SWINHOE (286) T.c.—*R. pexa*, Mashonaland, *sparsirecta* Cuba, *acygoniata* Colombia, (117), *eugrapha* Ashanti, *leucosticta* Brit. Guiana, (118),

nephelopera Assam, *euprepes* Brit. Guiana, *gemmata* Nigeria, (119), *bullita* Peru, *miosticta* Ashanti, *lateritiata* Borneo, *palealides* Mashonaland, (120), *ferruginosa* Sikhim, *flavicilia* Rhodesia, *nubila* Brit. Guiana, (121), *aurifera* Paraguay (122); HAMPSON Ann. Mag. Nat. Hist. 17, spp. n.—*R. loxomila* Brisbane, TURNER (89) Brisbane Proc. R. Soc. Queensland 19, sp. n.

Rhynchopaschia gen. n. *Epipaschianae*, *melanolopha* sp. n. Mashonaland, HAMPSON (190) Ann. Mag. Nat. Hist. 17.

Ridleyana gen. n. type *Teratauxta paradoxa* Hering; HAMPSON (469) Op. cit. 18.

Sacada rhodinalis and *rosealis* Mashonaland, *nigripuncta* and *metaxantha* New Guinea, (266), *prasinalis* W. Africa (267); HAMPSON Op. cit. 17, spp. n.

Saccopleura erythralis Brazil, HAMPSON (191) T.c., sp. n.

Salebria engelii sp. n. Pennsylvania, DYAR (107) New York J. Ent. Soc. 14.

Salobrena atropurpurea Central and S. America, *tenebralis* Brazil, HAMPSON (192) Ann. Mag. Nat. Hist. 17, sp. n.

Sarcistis phoenicealis (= *Arta otatalis* Druce part); HAMPSON T.c.

Saroscelis carbalis N. Borneo, SWINHOE (290) Ann. Mag. Nat. Hist. 17, sp. n.

Secuedra flavibasalis Queensland, HAMPSON (212) Ann. Mag. Nat. Hist. 17, sp. n.

Scoparia expallivalis (101), *pennubralis*, *schwarzalis*, (103), *strigalis* (104), N. America, spp. n., *S. basalis* varr. n. *pallorialis* & *obispalis*, DYAR New York J. Ent. Soc. 14.

Scopula; this name transferred to *Geometridae*, q.v.

Siculodes fumiceps (65), *nigrithorax*, *suborbitalis*, (66), New Guinea, WARREN Nov. Zool. Tring, 13, spp. n.

Sindris bipunctalis, *holochloralis*, *deltoidalis*, W. Africa, HAMPSON (351) Ann. Mag. Nat. Hist. 17, spp. n.

Spectrotrota normalis W. Australia, HAMPSON (135) T.c., sp. n.

Stemmatophora xanthozonalis Cape Colony, *rubricostalis* Java, *olivalis*

Ceylon, (261), *rubicundalis* Cape Colony, *scotalis* Kashmir, (262), *fuliginialis* Calcutta, *glauca* Sierra Leone, (263); HAMPSON T.c., spp. n.

Stenia annulalis Peru, DOGNIN (184) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Stenopaschia gen. n. *Epipaschianae* (189), *erythralis* sp. n. Brazil (190), HAMPSON Ann. Mag. Nat. Hist. 17.

Stenoptycha and *Lineodes* (138-141); *S. unicolor* sp. n. Peru (147); HERING Stettiner ent. Ztg. 67.

Stericta glaucinalis Surinam, *leucozonalis* Singapore (142), *chionophoralis* Brazil, *leucoplagialis* S. America, (143), *lophocephalis* and *congenitalis* Borneo, (144), *obliquialis* Bolivia, (145); HAMPSON Ann. Mag. Nat. Hist. 17, spp. n.

Sthenauge n. n. for *Sthenoboea* Rag., HAMPSON (193) T.c.

Strigina pallidirufa Solomon islds. (114), *flammans* Peru, *guttistigma* Nigeria, (115); HAMPSON T.c., spp. n.

Sylepta crocealis Ecuador, DOGNIN (185) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.—*S. desmialis* Walk. = (*inferior* Hamps. = *Chalcidoptera incomitata* Swink.); SWINHOE (293) Ann. Mag. Nat. Hist. 17.—*S. distinguenda* Hering to *Pleuroptya*, SWINHOE (556) Ann. Mag. Nat. Hist. ser. 7 17.

Symphonia albicollalis Old Calabar (391), *leucostictalis* New Guinea (456), HAMPSON Ann. Mag. Nat. Hist. 18, spp. n.

Tegulifera camptoceralis, *sanguiciliialis*, (258), *chrysoproctalis*, *nigricinctalis*, W. Africa, *craspedalis* Panama, (259), *epipyralis vinotinctalis*, W. Africa, *holothermalis* Mashonaland, (260); HAMPSON T.c., spp. n.

Telespasta gen. n. for part of *Pygospila* type *P. cuprealis* Swinh., SWINHOE (294) Ann. Mag. Nat. Hist. 17.

Tetridia murinalis New Pomerania, SWINHOE (296) T.c., sp. n.

Thermange gen. n. *Chrysauginae*, *flaviciliialis* sp. n. Old Calabar; HAMPSON Ann. Mag. Nat. Hist. 17.

Tioga melazoualis Bahamas and Jamaica (123), *fovealis* Fr. Guiana (124), HAMPSON T.c., spp. n.

Tosale velutina Fr. Guiana, HAMPSON (193) T.c., sp. n.

Triebania glaucinalis, W. China, HAMPSON (269) T.c., sp. n.

Trichophyesetis whitei Tenerife, REBEL (237) Wien Verh. zool.-bot. Ges. 1906, sp. n.

Trichoptychodes cf. *Macarotaera*.

Triphassa flammealis, *anaemialis*, W. Africa, HAMPSON (265) Ann. Mag. Nat. Hist. 17, spp. n.

Tyndis dentilinealis W. Africa, *proteanalis*, (357), *megistalis*, E. Africa, *piclimarginalis* W. Africa, (358); HAMPSON T.c., spp. n.

Uliosoma anaemicalis Argentina, *caustalis* Trinidad; HAMPSON (201) T.c., sp. n.

Vitessa glaucoptera Queensland (216), *vitialis* Fiji, *cyanea* Fergusson isld., *unipictinalis* Solomon islds., (217), HAMPSON T.c., spp. n.

Vitessa stettina New Guinea, *teleroma* Perak, (412), *temerata* New Guinea (413); SWINHOE Ann. Mag. Nat. Hist. 18, spp. n.

Xantippe tinctalis, (= *Arta statalis* Druce part) Mexico and S. America, *bifilalis* = (*Caphys subrosealis* Druce part) Mexico; HAMPSON (194) Ann. Mag. Nat. Hist. 17, spp. n.

Zophodia polingella sp. n. Arizona, DYAR (11) New York, J. Ent. Soc. 14.

PTEROPHORIDAE, ORNEODIDAE.

The natural history of British *Alucitides*; TUTT British Lep. vol. v.

Agdistis nanodes sp. n. Ceylon, MEYRICK (136) Bombay J. Nat. Hist. Soc. 17.

Amblyptilia cosmodactyla ab. n. nireia, BANKES (39) Ent. Rec. 1906.

Cosmoclostis pesselata sp. n. Ceylon, MEYRICK (134) Bombay J. Nat. Hist. Soc. 17.

Crombrugghia gen. n. for *Oxyptilus distans*, TUTT (449) Brit. Lep. 5.

Marasma agrorum var. n. (sp. n.?) *tuttodactyla* Courmayeur, CHAPMAN (178) Ent. Rec. 1903.

Ornesdes sycophanta, *toxophila*, (133), *trachyptera* (134), Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. 17, spp. n.

Oxyptilus regulus sp. n. Ceylon, MEYRICK (135) T.c.

Platyptilia molopias sp. n. Ceylon, MEYRICK (135) T.c.

Stenoptilia sahlbergi Kanin penins., PORPIUS (9) f. 2 Helsingfors Acta Soc. Fauna Fl. Fenn. **28** No. 3, sp. n.

Trichoptilus paludum early stages, CHAPMAN (133-154) pl. vii London Trans. ent. Soc. 1906.

TORTRICIDAE.

The British *Tortrices*; BARRETT Lep. of Brit. Isles **11**.

Annotated catalogue of Belgian *Microlepidoptera*, CROMBRUGGHE DE PICQUEN-DAELE Bruxelles Mem. soc. ent. Belgique **13** and **14**.

Conchylis ambiguella, Schaden, Biologie, Bekämpfung, SCHREINER St. Petersburg [Dep. d. Landwirthsch.] 1904 (32); Verteilung der Geschlechter, DEWITZ Geisenheim Ber. Lehranst. Obstbau **1905** (194-196); Häufigkeit, DEWITZ Geisenheim Ber. Lehranst. Obstbau **1905** (188-193); *C. ambiguella* und *Eudemis botrana*, Einfluss der Wärme, DEWITZ Geisenheim Ber. Lehranst. Obstbau **1905** (161-188).—*C. calaxrylana* Morea, RABEL (304) Berliner ent. Zs. **50**, sp. n.—*C. littorana* Ins. Grado, GALVAGNI (83) Wien Verh. zool-bot. Ges. **1906**, sp. n.

Cydia grindeliana Texas, BUSCK (211) Canad. Entomol. **38**, sp. n.

Cymolomia = (*Exartema* Clem.), BUSCK Ent. News **17** (305).

Enarmonia vexilla Tibet, DURRANT (497) London Proc. zool. Soc. 1906, sp. n.

Epiblema mundana variation etc., BANKES (8) Entomologist London **29**; STUDD T.c. (19).—*B. sordidana*, early stages BANKES (101-106 and 139) Ent. Mag. London **42**.—*E. ocladias* sp. n. Ceylon, MEYRICK (137) Bombay J. Nat. Hist. Soc. **17**.

Eucosma picicolana sp. n. Washington, DYAR (108) New York J. Ent. Soc. **14**.

Euxanthia hamana var. n. *largana*, REBEL (305) Berliner ent. Zs. **50**.

Hastula hyperana local and melanic variation, CHAPMAN (243-246) pl. iii Ent. Mag. London **42**; variation at Hyères, CHAPMAN (155-168) pl. viii London Trans. Ent. Soc. 1906.

Hemimene sedatana, *piperana*, (177), *capitana*, *britana*, (178), *bittana* (179), *leopardana*, *plumariana*, (181), BUSCK Washington Proc. Biol. Soc. **19**, spp. n.

Lipopterycha; characters and composition (173-176); *kana*, *banana*, N. America, spp. n., (182), BUSCK T.c.

Loxoterna nom. n. for *Exartema latifasciana* Haw., BUSCK (305) Ent. News **17**.

Lozopera mediterranea sp. n. Morea, REBEL (302) Berliner ent. Zs. **50**.

Meridarchis episacta (137), *phacodella* (138), Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. **17**, spp. n.

Paramorpha laxcula sp. n. Ceylon, MEYRICK (138) T.c.

Phalonia badiana, bibliographic note, BANKES (11) Entomologist London **29**.

Platypleps mormopa sp. n. Ceylon, MEYRICK (136) Bombay J. Nat. Hist. Soc. **17**.

Polychrosis confinitana Stgr., REBEL (305) Berliner ent. Zs. **50**.

Retinia austriana Toronto with larva, COSENS (364) Canad. Entomol. **38**, sp. n.

Steganopterycha simplana larva, CROMBRUGGHE (271) Bruxelles Ann. Soc. ent. Belgique **50**.

Tortrix ambiguella ravages on the Rhine, Naturaliste 1906 (226).—*T. promubana* in Britain, natural history; ADKIN (13-17) London Proc. S. London Nat. Hist. Soc. 1906; ADKIN (265) Entomologist 1906; in Guernsey, food-plant, LUFF (42) Ent. Mag. London **42**; stages, BANKES (6 & 7) Ent. Mag., London **42**.—*T. viridana* habits, SMITS Feuille jeunes natural. **36** (135).

TINEIDAE. s.l. various families.

Adela australis, natural history, CHRÉTIEN (17-19) Naturaliste 1906.

Acolocosma transferred to *Philobotides* (37); *cycloxantha* sp. n. W. Australia (38); MEYRICK Adelaide S. Aust. Trans. lt. Soc. **30**.

Agnippe evippcella sp. n. Texas, BUSCK (723) Washington Smithsonian Inst. U.S. Nation. Mus. Proc. **30**.

Acoloscelis theoris sp. n. Ceylon, MEYRICK (410) Bombay J. Nat. Hist. Soc. **17**.

Anacampsis nerteria sp. n. Ceylon, MEYRICK (139) Bombay J. Nat. Hist. Soc. 17.—*A. nonstrigella* Pennsylvania, BUSCK (121) Canad. Entomol. 38, sp. n.

Argyresthia conjugella, natural history, LAMPA (1-16) pl. i Uppsala Ent. Tidskr. 27.

Atychia orientalis Asia Minor, REBEL (217) Wien Ann. Nat. Hist. Hofmus. 20, sp. n.

Antiochtha achnastis (150), *stellulata* (149), *tetradelta* (150), Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. 17, spp. n.

Antithyra gen. n. *Xyloryctidae*, *vineata* sp. n. Ceylon, MEYRICK (404) T.c.

Aristotelia lucidella food-plant THURNALL (211), WALSHINGHAM (232) Ent. Mag. London 42.—*A. palustrella*, larva and pupa, BANKES (143-146) Ent. Mag. London 42.

Bida Walk., definition, *radiosella* Walk. (under *Psecadia*) of which *crabellia* Walk. is synonym, description; MEYRICK (48) Adelaide S. Aust. Trans. R. Soc. 30.

Borkhausenia capnodyta Queensland (35), *asparta* Australia (36), MEYRICK T.c., spp. n.

Brachmia cherandra (151), *sympheetodes* (152), Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. 17, spp. n.

Bradypodicola gen. n. subfam. n. *Bradypodicolinae*, *halmeli* sp. n. Süd-Amerika auf *Bradypus* (690), SPULER Biol. Centralbl. 26 (690-697).—Auch in: Festschrift für J. Rosenthal, Tl 1, (88a-88k).

Cemiostoma cf. *Leucoptera*.

Cerostoma flavistrigella California (97), *maculatella*, *vintrrella*, (98), *undulatella* (99), Arizona, BUSCK Ent. News 17, spp. n.

Cerycostola cf. *Scorpiopsis*.

Cherenta gen. n. near *Catoryctis*, *tinthalea* N. S. Wales, (33), *anthracistis*, *chalcistis*, W. Australia, (34), spp. n.; MEYRICK Adelaide S. Aust. Trans. R. Soc. 30.

Chlidanota gen. n. of fam. n. *Chlidanotidae* (412), *thriambis* sp. n. Ceylon (413), MEYRICK Bombay J. Nat. Hist. Soc. 17.

Coleophora aleyonipennella, larval habits, TURNER (41) Ent. Rec. 1906.—*C. discordella*, *olivaceella*, *lineola*, larval habits, TURNER (173, 174) T.c.—*C. fuscedinella* larval habits, TURNER (311) T.c.—*C. licella* larval habits, TURNER (103) T.c.—*C. nigricella*, *conyzae*, larval habits, TURNER (11-13) T.c.—*C. troglodytella* larval habits, TURNER (65) T.c.—*C. solitariella*, *pyrrhulipennella*, *laricella*, *albitarsella*, larval habits, TURNER (118-122) T.c.

Comoeritis pieria sp. n. Ceylon, MEYRICK (415) Bombay J. Nat. Hist. Soc. 17.

Copromorpha efllorescens (412), *metalitis* (411), Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. 17, spp. n.—*C. prasinochroa* Sydney, MEYRICK (52) Adelaide S. Aust. Trans. R. Soc. 30, sp. n.

Coriscium texanella sp. n. Texas, BUSCK, (732) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. 30.

Cosmopteryx clandestinella sp. n. N. America, BUSCK (712) Washington U. S. Nation. Mus. Proc. 30 (707-713).

Cryptophasa xylomima, *porphyritis*, (140), *argyrias*, *pellopis*, (141), Queensland, TURNER Adelaide S. Aust. Trans. R. Soc. 30, spp. n.

Dactylethra gen. n. *Ypsolophus* group, *tetroctas* sp. n. Ceylon, MEYRICK (153) Bombay J. Nat. Hist. Soc. 17.

Demiophila gen. n. *Gelechiidae*, *psaphara* sp. n. Ceylon, MEYRICK (152) T.c.

Depressaria discipunctella H.-S. var. n. *helladicella*, *tenebricosa* Z. = (*albiocellata* Stgr.), REBEL (311) Berliner ent. Zs. 50.

Dicasteris gen. n., ? near *Hoplophanes*, *leucastra* sp. n. Tasmania, MEYRICK (55) Adelaide S. Aust. Trans. R. Soc. 30.

Elachista mitterbergeri Styria, REBEL (643) Wien Verh. zool.-bot. Ges. 1906, sp. n.

Electraema gen. n. of the fam. n. *Chlidanotidae*, *hemichroa* sp. n. Ceylon, MEYRICK (413) Bombay J. Nat. Hist. Soc. 17.

Eonympha gen. n. *Oecophoridae* (406), *erythrozona* sp. n. Ceylon (407), MEYRICK T.c.

Epermenia imperialella Pennsylvania, BUSCK (121) Canad. Entomol. 38, sp. n.

Epicallima isopoelia, semantris, Ceylon, MEYRICK (408) Bombay J. Nat. Hist. Soc. 17, spp. n.

Epichostis gen. n. *Xyloryctidae* (404), *elephantias* sp. n. Ceylon (405), MEYRICK T.c.

Epicnistis gen. n. near *Phyllocnistis*, (64), *euryscia* sp. n. Tasmania (65), MEYRICK Adelaide S. Aust. Trans. R. Soc. 30.

Epicarnia gen. n. near *Pancania*, *chlorodella*, (140), *aulhaema*, *chermetis*, (141), spp. n. Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. 17.

Epistomotis gen. n. near *Cerostoma*, *penessa* sp. n. Ceylon, MEYRICK (416) T.c.

Ethmia to replace *Psecadia*, MEYRICK (49) Adelaide S. Aust. Trans. R. Soc. 30.—*E. acontias, zelaea*, Ceylon, MEYRICK (409) Bombay J. Nat. Hist. Soc. 17, spp. n.

Eulechria textilis Australia and Tasmania, MEYRICK (36) Adelaide S. Aust. Trans. R. Soc. 30, sp. n.

Eumenodora gen. n. *Elachistidae*, *encrypta* sp. n. Queensland, MEYRICK (55) Adelaide S. Aust. Trans. R. Soc. 30.

Euprora gen. n. (732) *Tineidae*, *argentinicella* sp. n. Texas (733), BUSCK Washington Smithsonian Inst. U. S. Nation. Mus. Proc. 30.

Eupselia leucaspis (38), *trithrona*, *hypsichora*, (39), Australia; MEYRICK Adelaide S. Aust. Trans. R. Soc. 30, spp. n.

Eutorna, defined and species tabulated, (40); *leptographa* (41), *intonsa*, *tricasis*, (41), *eurygramma*, *pabulicola*, (43), *spintherias* (44), *diavla*, *phaulocosma*, *pelogenea*, (45), *epinephes* (46), Australia or Tasmania, spp. n.; MEYRICK Adelaide S. Aust. Trans. R. Soc. 30.

Evippe pollostella sp. n. Texas, BUSCK (725) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. 30.

Exorectis gen. n. near *Therentis*, *auscisia* sp. n. Victoria, MEYRICK (65) Adelaide S. Aust. Trans. R. Soc. 30.

Gelechia distinctella mit 6 Flügeln, TARNANI Novo-Aleksandrija Zap. Inst. sel'sk. choz. 18 (106-134).—*G. fondella* Pennsylvania, BUSCK (122) Canad. Entomol. 38, sp. n.

Gracilaria (Dialectica) gunniella sp. n. Texas, BUSCK (731) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. 30.—*G. handeri* Austria, REBEL (9) Wien Verh. Zool. bot. Ges. 1906, sp. n.

Heliangara gen. n. *Gelechiidae*, *lampetis* sp. n. Ceylon, MEYRICK (147) Bombay J. Nat. Hist. Soc. 17.

Heliodines princeps Brisbane, MEYRICK (54) Adelaide Trans. R. Soc. S. Austr. 30, sp. n.

Heterobathra Low. definition (46), *tetracentra* sp. n. W. Australia (47), MEYRICK T.c.

Heterochyta gen. n. near *Pleurota*, *xenomorpha*, (47), *asteropa* (48), spp. n., Australia, and *Pleurota pyrosema* Low.; MEYRICK T.c.

Hypertropha zophodesma, rhothias, Australia, MEYRICK (51) Adelaide S. Aust. Trans. R. Soc. 30, spp. n.

Hieromantis fibulata sp. n. Ceylon, MEYRICK (410) Bombay J. Nat. Hist. Soc. 17.

Hypercallia alseis, catansta, Ceylon, MEYRICK (406) T.c., spp. n.

Idiophantis sorenta sp. n. Ceylon, MEYRICK (139) T.c.

Inmo; monograph of, MEYRICK (169-206) London Trans. ent. Soc. 1906. The synonymy and taxonomy of this paper are not dealt with below; reference must be made to the paper for these: the following are the spp. n.:—*I. mylias* Ceylon, *cladophragma* Singapore, (173), *triardis* S. India (174), *marileutis* Queensland (175), *psithyrists* Solomon islds., *psoricopa* Ceylon, *cyclostoma* Assam, (176), *metriodoxa* Sumbawa, *lysidesma* Assam, (177), *priozone* Borneo (178), *anlonias* Solomon islds., *dipselia* Sulu, (179), *porpanthes* Perak, *thyriditis* Solomon islds., (180), *dioptrias* New Guinea (181), *caelestis* China, *acropila* Sierra Leone, (182), *hyphantis* Ceylon (183), *procrossa*, *neurata*, (184), *xantharcha*, Borneo, *trichinota* Celebes, (185), *otoptera* Borneo, *chlorosphena* Ceylon, (186), *tesseraria*, *homalotis*, (187), *auxobathra*, *megalyntis*, (188), *hectaea*, Borneo, *mesochorda* Assam, (189), *panopta* Flores (190), *grammatistis*, *minatrix*, New Guinea, (191), *epichlaena* (192), *amphixantha*, Borneo,

cymbalodes Assam, (193), *melotoma* Sikkim, *erocozela*, (194), *chrysoplaca*, New Guinea, *phalerata* Assam, *epicomia* Solomon islds., (195), *chlorosoma* Assam, *strepsizona* Celebes, (197), *acturopis* Borneo, (198), *tyrocnista* Andaman islds., *chasmatica* Sikkim, (199), *nephelastra* Borneo, (200), *nephallactis* Venezuela (201), *cinctata* (202), *metachlora*, *thymora*, (203), Brazil, *canonopsis* Columbia (204); MEYRICK London Trans. ent. Soc. 1906; **spp. n.**

Lecithocera cholopis **sp. n.** Burma, MEYRICK (149) Bombay J. Nat. Hist. Soc. 17.

Leucoptera = (*Cemiostoma* Z.); *deltidias* Tasmania, *hemizona* W. Australia, **spp. n.**; MEYRICK (61) Adelaide S. Aust. Trans. R. Soc. 30.

Lita intermediella Hdgn. is *Gelechia frateruella* ab., BANKES (46) Ent. Rec. 1906.—*L. ocellata*, life-history, ravages, GIARD (627-630) also (458-460) erroneously as *Eurygeron* Paris C.-R. Acad. Sci. 143.—*L. sabuloscila* Asia Minor. REBEL (211) Wien Ann. Nat. Hist. Hofmus. 20, **sp. n.**—*L. suavidicola* ile d'Oléron, MABILLE (54) Paris Ann. Soc. ent. 75, **sp. n.**

Loxotrochis **gen. n.** near *Imma*, *sepias* **sp. n.** New Hebrides, MEYRICK (205) London Trans. ent. Soc. 1906.

Lozostoma cf. *Opogona*.

Macrernis rostrata **sp. n.** Ceylon, MEYRICK (147) Bombay J. Nat. Hist. Soc. 17.

Macrobathra hexadyas, Queensland, MEYRICK (35) Adelaide S. Aust. Trans. R. Soc. 30, **sp. n.**

Macrotona parana **sp. n.** Ceylon, MEYRICK (148) Bombay J. Nat. Hist. Soc. 17.

Megacraspedus monolorellus Asia Minor, REBEL (213) Wien Ann. Nat. Hist. Hofmus. 20, **sp. n.**

Meternis **gen. n.** of the fam. n. *Chlidanotidae*, *ochrolina* **sp. n.** Ceylon, MEYRICK (414) Bombay J. Nat. Hist. Soc. 17.

Mompha stellerella, *engetella*, Pennsylvania, BUSCK (123) Canad. Entomol. 38, **spp. n.**—*M. pinctiferella* **sp. n.** Texas,

BUSCK (731) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. 30.

Monopis hemicitra **sp. n.** Ceylon, MEYRICK (417) Bombay J. Nat. Hist. Soc. 17.—*M. rusticella* larval food, NURSE (160) Entomologist 1906.

Myriopleura **gen. n.** *Xyloryctidae*, *furfurosa*, (405), *isocentra* (406), **spp. n.**, Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. 17.

Narthecoceros **gen. n.** near *Macrotona*, *xylodes* **sp. n.** Ceylon, MEYRICK (148) T.c.

Nepticula; Bordeaux spp., notes on larvae etc., BROWN Bordeaux Actes. Soc. linn. 6 (7-15).—*N. leucargyra* (57), *anazona*, *primigena*, *planetis*, *caenodora*, (58), *gilra*, *symmora*, *melanotis*, *funeralis*, (59), *endocapua*, *chaleitis*, *phylanthina* (60), *libera*, *trepida*, (61), Australia, MEYRICK Adelaide S. Aust. Trans. R. Soc. 30, **spp. n.**

Notodryas calierga S. Australia, MEYRICK (56) Adelaide S. Aust. Trans. R. Soc. 30, **sp. n.**

Numata **gen. n.** near *Aristotelia*, *lipunctella* **sp. n.** Texas, BUSCK (724) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. 30.

(*Oecophora aragonella* Espagne, CURÉTIEN, Paris Ann. soc. ent. 1903, (405) av. fig. et pl., **sp. n.**)

Oecophoridae, taxonomy, MEYRICK (34, 35) Adelaide S. Aust. Trans. R. Soc. 30.

Oedematopoda ignipicta Butl., habits. (Japanese), YAMAZAKI Ichihiei. Konch. Sek. Gifu 10 (56-59).

Opogona Z. = (*Lozostoma* Stt.) and belongs to *Tineidae*; MEYRICK (55) Adelaide S. Aust. Trans. R. Soc. 30.—*O. lachanitis* **sp. n.** Ceylon, MEYRICK (416) Bombay J. Nat. Hist. Soc. 17.

Opostega frigida **sp. n.** Ceylon, MEYRICK (416) T.c.

Organitis **gen. n.** near *Brachmia*, *charucopa* **sp. n.** Ceylon, MEYRICK (151) T.c.

Palamernis **gen. n.** near *Imma* (205), *canuonitis* **sp. n.** Simla (206); MEYRICK London Trans. ent. Soc. 1906.

Persieoptila libanotris **sp. n.** Ceylon, MEYRICK (411) Bombay J. Nat. Hist. Soc. 17.

Phoëntis **gen. n.** near *Peritornenta* (49), *neolecta* **sp. n.** Victoria (50), MEYRICK Adelaide S. Aust. Trans. R. Soc. **30**.

Phthorimaea minor **sp. n.** Texas, BUSCK (726) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30**.

Phylloenistis acmias, *psychina*, (62), *hapalodes*, *triortia*, (63), *atractias*, *atranota*, (64), Australia, MEYRICK Adelaide S. Aust. Trans. R. Soc. **30**, **spp. n.**

Phylmictis clecta Queensland, TURNER (142) Adelaide S. Aust. Trans. R. Soc. **30**, **sp. n.**

Pleurota arduella **sp. n.** Morea, REBEL (310) Berliner ent. Zs. **50**.—*P. pyrosema* cf. *Heterochyta*.

Plutella cruciferarum, natural history, nomenclature, historical, QUANJER 's Gravenhage Tijdschr. Ent. **49** (11-17) pls. i and ii; harmfulness in Denmark (Danish) ROSTRUP Aarluus Meddelelser vedrørende Insektangreb paa Markafgrøde 1 Jylland **1905** 1906 (84-94).—*P. viatica* Tibet, DURRANT (496) London Proc. Zool. Soc. **1906**, **sp. n.**

Psammoris **gen. n.** *Macrotona* group, *carpaca* **sp. n.** Ceylon, MEYRICK (149) Bombay J. Nat. Hist. Soc. **17**.

Psecadia cf. *Ethmia*.—*P. radiosella* Walk. cf. *Bida*.—*P. exornata* Walk. synonymy and allies, reference to *Tamarrha*; WALSINGHAM (175-177) Ann. Mag. Nat. Hist. **18**.

Pseudodoxia chalcias, *cretata*, (407), *zopheropa* (408), Ceylon, MEYRICK J. Bombay Soc. **17**, **spp. n.**

Ptochoryctis aevasticta, *ancistrias*, *scionota* (Ceylon), (403), Id. T.c., **spp. n.**

Ptochosaris **gen. n.** near *Saropla*, *horrenda* **sp. n.** Australia, MEYRICK (37) Adelaide S. Aust. Trans. R. Soc. **30**.

Pyroderces cf. *Stagmatophora*.

Pyrozela **gen. n.** *Plutellidae* (414), *xanthomima*, *erythromima*, Ceylon, **spp. n.**, (415) MEYRICK Bombay J. Nat. Hist. Soc. **17**.

Recurvaria clachistella **sp. n.** Texas, BUSCK (725) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30**.—*R. pinella* Colorado, BUSCK (212) Canad. Entomol. **38**, **sp. n.**

Rhinosis arnoldiella Asia Minor, REBEL (212) Wien Ann. Nat. Hist. Hofmus. **20**, **sp. n.**

Scalidentis **gen. n.** near *Borkhausenia*, *escharia* **sp. n.** Ceylon, MEYRICK (409) Bombay J. Nat. Hist. Soc. **17**.

Scieropepla monoides West Australia, TURNER (141) Adelaide S. Aust. Trans. R. Soc. **30**, **sp. n.**

Scorpiopsis Turn. = (*Cerycostola* Meyr.), *S. pyrobola*, Meyr. (as *Gonionota*) = (*superba* Turn.); MEYRICK (50) Adelaide S. Aust. Trans. R. Soc. **30**.

Scythris chelota **sp. n.** Ceylon, MEYRICK (411) Bombay J. Nat. Hist. Soc. **17**.—*S. unimaculella* Asia Minor, REBEL (215) Wien Ann. Nat. Hist. Hofmus. **20**, **sp. n.**

Semiota Dietz, is male of *Sctomorpha*, BUSCK (734) Washington D.C. Smithsonian Inst. U. S. Nation. Mus. Proc. **30**.

Setomorpha calcularis Australia, MEYRICK (66) Adelaide S. Aust. Trans. R. Soc. **30**, **sp. n.**

Solenobia larella Guadarrama, CHRÉTIEN (56) Naturaliste **1906**, **sp. n.**

Sophronia finitimella Asia Minor, REBEL (213) Wien Ann. Nat. Hist. Hofmus. **20**, **sp. n.**

Stagmatophora; generic synonymy, incl. *Pyroderces*, *Labdia*, *Proterocosma*, WALSINGHAM and DURRANT (196, 197) Ent. Mag. London **42**.—*Stagmatophora* = (*Pyroderces*); *S. symbolias* **sp. n.** Queensland; MEYRICK Adelaide S. Aust. Trans. R. Soc. **30**.—*S. gossypiella* Egypt in cotton-pods, WALSINGHAM (178) Ann. Mag. Nat. Hist. ser. 7 **18**, **sp. n.**

Stathmopoda masinissa **sp. n.** Ceylon, MEYRICK (410) Bombay J. Nat. Hist. Soc. **17**.

Stenomidae fam. n. for *Agriophara* and *Hypocryptis*, MEYRICK (50) Adelaide S. Aust. Trans. R. Soc. **30**.

Symmoca atricanella (308), *pamosella* (309), **spp. n.**, Morea, REBEL Berliner ent. Zs. **50**.—*S. canariensis* Tenerife, REBEL (38) Wien Ann. Nat. Hist. Hofmus. **21**, **sp. n.**

Syntomactis crebra Sydney, MEYRICK (53) Adelaide S. Aust. Trans. R. Soc. **30**, **sp. n.**

Tamarrha and *Psecadia*, components, taxonomy; WALSINGHAM (176) Ann.

Mag. Nat. Hist. ser. 7 **18**.—*T.* valid, (728), *bittenella* **sp. n.** Texas (730), Busck Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30**.

Telphusa acaciella **sp. n.** Texas, Busck (722) T.c.

Thiotricha saulotis **sp. n.** Ceylon, MEYRICK (138) Bombay J. Nat. Hist. Soc. **17**.

Thudaea Walk. to *Oecophoridae*, MEYRICK (49) Adelaide S. Aust. Trans. R. Soc. **30**.

Timyra marmaritis (144), *orthadia* (145), *palathodes* (144), *parochra* (146), *peronetrus* (145), *tetraclina* (143), Ceylon, MEYRICK Bombay J. Nat. Hist. Soc. **17**, **spp. n.**

Tineidae; revision of Dietz on *Amydriinae* and *Tineinae*, with criticisms and synonymy, for which refer to the paper itself; Busck Canad. Entomol. (345-348).

Tipha diaema, *trichroa*, Ceylon, MEYRICK (142) Bombay J. Nat. Hist. Soc. **17**, **spp. n.**

Trichotapha washingtoniella (121), *trinitella* (122), Pennsylvania, Busck Canad. Entomol. **38**, **sp. n.**

Untomia **gen. n.** near *Aproaerema*, *untomiella* **sp. n.** Texas, Busck (727) Washington Smithsonian Inst. U. S. Nation. Mus. Proc. **30**.

Yponomenta malinella Zell. metamorphosis (Japanese); NITOE Konch. Sek. Gifu **10** (362-363).

Zalithia amethystias **sp. n.** Ceylon, MEYRICK (140) Bombay J. Nat. Hist. Soc. **17**.

†PALAEOCONTINIDAE.

†*Palacontinidae* fam. n. for *Palacontina* Butl. etc., HANDLIRSCH (618) Fossil. Ins.

†*Limacodites* **gen. n.**, *mesozoicus* **sp. n.** Bayern Kalk, HANDLIRSCH (622) T.c.

†*Protopsyche* **gen. n.**, *braueri* **sp. n.** Bayern Kalk, HANDLIRSCH (623) T.c.

†*Pachypsyche* **gen. n.** for *Palacontina* *vidali* Meun., HANDLIRSCH l.c.

†*Archipsyche* **gen. n.**, *sickstattensis* **sp. n.** Bayern Kalk, HANDLIRSCH (624) T.c.

†*Beloptesis* **gen. n.**, *oppenheimi* **sp. n.** Bayern Kalk, and *Cicada gigantea* Weyenb., HANDLIRSCH (625) T.c.

†*Eocicada* **gen. n.** *lameerei* **sp. n.** Bayern Kalk, HANDLIRSCH (627) T.c.

TRICHOPTERA.

Neuer Beitrag zur Kenntnis ausereuropäischer Trichopteren; ULMER Leiden Notes Mus. Jentink **28** 1906 (1-116). This includes many descriptions besides those of the novelties recorded below.

SILFVENIUS gives descriptive notes on the metamorphoses of numerous *Trichoptera*, accompanied with their characters according to groups and in some cases of genera, with 4 plates; Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6 (1-168) plates i-iv.

Uebersicht über die bisher bekannten Larven europäischer Trichopteren; ULMER Zs. wiss. Insektenbiol. **2** 1906 (111-117, 162-168, 209-214, 253-258, 288-296).

The pupa of *Trichoptera*; SILFVENIUS (88-98) Zs. wiss. Insektenbiol. **2**.

†Fossil *Phryganoidea* (= *Trichoptera* auctt.), HANDLIRSCH (483-487) Fossil Ins.

Egg-masses of *Trichoptera* with discussion of classification according to habits, SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. **28** No. 4 (1-128) 2 pls.—Ueber den Laich der Trichopteren, SILTALA Arch. Hydrobiol. Stuttgart **2** 1906 (21-62) 1 Taf.

Wert des Spiralbaues bei einigen Trichopterenlarven; BUCHNER Zs. wiss. Insektenbiol. Husum **2** 1906 (358-359).

Parasites of *Trichoptera*; SILTALA Zs. wiss. Insektenbiol. **2** (382-385).

Adicella meridionalis N.W. Spain, MORTON (275) Entomologist 1906, **sp. n.** —*A. pulcherrima* **sp. n.** West Java, ULMER (43) Leiden Notes Mus. Jentink **28**.

Aethaloptera maxima Orange Free State, ULMER (62) Leiden Notes Mus. **28**, **sp. n.**

Agapetus eomatus larva, pupa and case, SILFVENIUS (155-157) f. 44, Helsingfors Acta Soc. Fauna. Fl. Fenn. **27** No. 6.

Agrypnetes crassicornis larva, pupa, case, SILFVENIUS (19-25) fig. 5 T.c. No. 2.—*A. crassicornis* ♂, ♀, localities, SILFVENIUS (111-117) Helsingfors Medd. Soc. Fauna Fl. Fenn. 31.

Agrypnia islandica (?) ♀ Kanin Halbinsel, MARTYNOV St. Petersburg Zap. Russ. Geogr. Obsč. 41 (267-275).—*A. picta* larva, SILFVENIUS (16) Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 2; pupa, SILFVENIUS (9) f. 2 T.c. No. 6.

Anisocentropus flavomarginatus sp. n. Borneo & Java vielleicht N. China, ULMER (51) Leiden Notes Mus. Jentink 28.—*A. fuscus* Arizona, BANKS (19) Philadelphia Tr. Amer. ent. Soc. 32, sp. n.

†*Archotaulius* gen. n., *bavarius* sp. n. Bayern Kalk, HANDLIRSCH (617) Fossil. Ins.

Arctopsyche irrorata North Carolina, BANKS (15) Philadelphia Tr. Amer. ent. Soc. 32, sp. n.

Atomysia gen. n. near *Lepidostoma* (11), *modesta* sp. n. North Carolina (12), Id. T.c.

Atopsyche gen. n. near *Philopotamus*, *tripunctata* sp. n. Arizona, BANKS (17) T.c.

Beraeodes minuta L. pupa, SILFVENIUS (33) Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

Brachycentrus subnubilus, larva, pupa and case, SILFVENIUS (21-26) f. 6 T.c.

Chimarra auronitens Celebes (89), *argentella* Jamaica (92), ULMER Leiden Notes Mus. Jentink 28, spp. n.

Colpotaulius incisus larva and pupa, SILFVENIUS (29) Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 2.—*C. medialis* Illinois and Canada, BANKS (9) Philadelphia Trans. Amer. ent. Soc. 32, sp. n.

Cyrus trimaculatus larva and pupa (129) f. 34, *insolutus* larva (131) f. 35, SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.—*C. fraternus* N. America, BANKS (17) Philadelphia Tr. Amer. ent. Soc. 32, sp. n.

Dipseudopsis simplex Oranje-Freistaat und Bas-Ogoué (85), *voluta* Celebes (87), ULMER Leiden Notes Mus. Jentink 28, spp. n.

Erolësis baltica larva, pupa and case, SILFVENIUS (77) f. 20 Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

(N-9720 j)

Ganonema brevipenne sp. n. Borneo, ULMER (46) Leiden Notes Mus. Jentink 28.

Glossosoma vernale larva and pupa, SILFVENIUS (159) f. 40 Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

Glyptotaelius subsinuatus sp. n. Japan, ULMER (5) Leiden Notes Mus. Jentink 28.

Goëra pilosa larva and pupa, SILFVENIUS (19) f. 5 Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.—*G. fuscula* North Carolina, BANKS (11) Philadelphia Tr. Amer. ent. Soc. 32, sp. n.

Holocentropus auratus larva and pupa (125-128) f. 32, *stagnalis* larva and pupa (128) f. 33, SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.—*H. placidus* Washington, BANKS (15) Philadelphia Tr. Amer. ent. Soc. 32, sp. n.

Holostomis atrata larva, SILFVENIUS (9-12) Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 2.

Hydromanicus aurovittatus Java (80), *ungulatus* Deutsch Neu-Guinea (82), ULMER Leiden Notes Mus. Jentink 28, spp. n.

Hydropsychidae, table of North American genera, BANKS (13) Philadelphia Tr. Amer. ent. Soc. 32.

Hydropsyche; larvae (91-100), *H. saxonica* larva, pupa and case (100-102) f. 22, *angustipennis* larva, pupa and case, (103-105) f. 23, *instabilis* larva, pupa and case (105-107) f. 24, *lepada* larva, pupa and case (108-111) f. 25; SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.—*H. silfvenii* Finland, ULMER, Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 8 (15), sp. n.—*H. oslari* (13), *hageni*, *slossomae*, *cockerelli*, (14), *bifida*, *kansensis*, (15), North America; BANKS Philadelphia Tr. Amer. ent. Soc. 32, spp. n.

Lepidostoma hirtum larva, SILFVENIUS (29) f. 8, Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

Leptocella texana San Antonio sp. n., *exilis* nom. n. for *gracilis* Banks, BANKS (19) Philadelphia Tr. Amer. ent. Soc. 32.

Leptocerus fulvus, larva and pupa (48-53) f. 11, *senilis* larva and pupa (53-57) f. 12, *annulicornis* pupa (57) f. 13, *aterrimus* larva and pupa (58-61)

f. 14, *cinereus* larva and pupa (61-65)
f. 15, *excisus* larva, pupa and case (65-68) f. 16; SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.—*L. sibiricus* Amur (36), *niveicornis* Goldküste (38), ULMER Leiden Notes Mus. Jentink 28, **spp. n.**

Linnophilus borealis (34), *flavicornis* (38), *marmoratus* (40), *lunatus* (46), *affinis* (50), *bimaculatus* (53), *luridus* (57), metamorphoses; SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 2.—*L. capillatus* **sp. n.** Patagonien, ULMER (11) Leiden Notes Mus. Jentink 28.

Type **sp.** larva and pupa, SILFVENIUS (138-140) f. 37 Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

Macronema sinuatum **sp. n.** Borneo, ULMER (71) Leiden Notes Mus. Jentink 28.

Maniconeura albardana Siberia (26), *destruata* Dardjiling (28), ULMER T.c., **spp. n.**

Melanotrichia **gen. n.** (100), *singularis* **sp. n.** India merid. (101), ULMER T.c.

†*Mesotaulius* **gen. n.** *jurassicus* **sp. n.** Bayern Kalk, HANDLIRSCH (617) Fossil. Ins.

†*Mesotrichopteridium* **gen. n.**, *pusillum* **sp. n.** Lias Mecklenburg, HANDLIRSCH (485) T.c.—†*M. purbeckianum* England, HANDLIRSCH (617) T.c.

Micrasema setiferum larva and pupa, SILFVENIUS (26) f. 7 Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

Micropterna lateralis larva and case, SILFVENIUS (67) T.c. No. 2.

Molanna angustata larva, pupa, SILFVENIUS (38) f. 9 T.c. No. 6.—*M. cupripennis* **sp. n.** Celebes, ULMER (30) Leiden Notes Mus. Jentink 28.

Molannodes zelleri larva and pupa, SILFVENIUS (40-43) f. 10 Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

Monocosmoecus **gen. n.**, *vanderweelii* Patagonien, (13), *pulcher* (16) Tierra del Fuego, **spp. n.**; *M. (Halsus) hyadesi* Jul. Mab., ULMER Leiden Notes Mus. Jentink 28.

Mortoniella **gen. n.** (95), *bilineata* **sp. n.** Ecuador and Sta. Catharina (97), ULMER T.c., **spp. n.**

Nystacides azurea pupa (69) f. 17, *longicornis* larva, pupa and case (71-74)

f. 18, SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

Namamyia **gen. n.** *Sericostomatidae*, *plutonis* **sp. n.** California, BANKS (10) Philadelphia Tr. Amer. ent. Soc. 32.

†*Nannotrichopteron* **gen. n.**, *gracile* **sp. n.** Lias Mecklenburg, HANDLIRSCH (487) Fossil. Ins.

†*Necrotaulius* **gen. n.**, *Necrotauliidae* fam. n., *dobbertinensis*, (483), *nanus*, *intermedius*, *similis*, *major*, (484), **spp. n.**, Lias Mecklenburg, HANDLIRSCH T.c.

Neuredipsis bimaculata larva, SILFVENIUS (124) f. 30 Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

Neuronia ruficrus larva (5), *clathrata* larva (6); SILFVENIUS T.c. No. 2.—*N. lapponica* larva and pupa, SILFVENIUS (5) f. 1 T.c. No. 6.

Notanatomica and *Triplectides*, systematic position, ULMER (38-40) Ann. Biol. lacustre Bruxelles 1.

Notidobia ciliaris larva, SILFVENIUS (10) f. 3 Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

Notiomys **gen. n.** *Leptocerides*, for *Heteroplectron mexicanum* Banks, BANKS (18) Philadelphia Tr. Amer. ent. Soc. 32.

Notiopsyche **gen. n.**, *latipennis* **sp. n.** North Carolina, BANKS (11) T.c.

Oecetis confluentis **sp. n.** Celebes, ULMER (41) Leiden Notes Mus. Jentink 28.—*Oe. ochracea* larva and pupa (81) f. 21, *lacustris* (84), SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

Oxyethira; hibernation, SILTALA Zs. wiss. Insektenbiol. 2 (356-358)—*O. incana* **sp. n.** Java, ULMER (102) Leiden Notes Mus. Jentink 28.

†*Paratrichopteridium* **gen. n.**, *areatum* **sp. n.** Lias Mecklenburg, HANDLIRSCH (486) Fossil. Ins.

Philopotamus montanus larva case, SILFVENIUS (119) f. 28 Helsingfors Acta Soc. Fauna Fl. Fenn. 27 No. 6.

Phryganea varia larva, SILFVENIUS (13) T.c. No. 2.

Phryganeides; table for determination of larvae found in Finland, SILFVENIUS (25-28) T.c.

Phylloicus bromeliarum (Fr. Müll) **sp. n.** Brazil, ULMER (56) Leiden Notes Mus. Jentink 28.

Plectrocnemia navasi sp. n. India meridionalis, ULMER (84) T.c.—*P. auriceps* North Carolina, BANKS (17) Philadelphia Tr. Amer. ent. Soc. **32**, sp. n.

Plectromaeronema gen. n., *comptum* sp. n. Brasilien, ULMER (63) Leiden Notes Mus. Jentink **28**.

Polycentropus carolinensis, *dispar*, *arizonensis*, N. America, BANKS (16) Philadelphia Tr. Amer. ent. Soc. **32**, spp. n.

Polymorphanius ocularis sp. n. West Java, ULMER (60) Leiden Notes Mus. Jentink **28**.

†*Pseudorthophlebia* gen. n., *platyptera* sp. n. Lias Mecklenburg, HANDLIRSCH (485) Fossil. Ins.—†*P. brodiei* England Purbeck, HANDLIRSCH (617) T.c., sp. n.

Pycnopsyche gen. n. *Limnephilides*, for *Limnephila scabripennis* Ramb., BANKS (9) Philadelphia Tr. Amer. ent. Soc. **32**.

Rhyacophila nubila larva and pupa (141–146) f. 38, *septentrionis* larva pupa and case (146–148) f. 39, SILFVENIUS Helsingfors Acta Soc. Fauna Flora Fenn. **27** No. 6.—*R. rougemonti* var. n. *sicula*, MORTON (106) Entomologist 1906.—*R. hyalinata* Colorado sp. n., *coloradensis* nom. n. for *stigmatica* Banks, BANKS (10) Philadelphia Tr. Amer. ent. Soc. **32**.

Sericostoma personatum larva, SILFVENIUS (13) Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Setodes floridana Biscayne bay, BANKS (19) Philadelphia Tr. Amer. ent. Soc. **32**, sp. n.

Silo pallipes larva and pupa, SILFVENIUS (15) f. 4, Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Sphinctogaster nigrosoma New York sp. n.; *lutescens* Prov.; BANKS (12) Philadelphia Trans. Amer. ent. Soc. **32**.

Stenophylax dubius (61), *infumatus* (63), metamorphoses, SILFVENIUS Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 2.—*S. kauensis* sp. n. Kanin-Halbinsel, MARTYNOV St. Petersburg Zap. Russ. Geogr. Obsč. **41** (267–275).—*S. parvulus* New Hampshire, BANKS (9) Philadelphia Tr. Amer. ent. Soc. **32**, sp. n.

Tinodes waeneri larva, SILFVENIUS (135) f. 36, Helsingfors Acta Soc. Fauna Fl. Fenn. **27** No. 6.

Triaenodes bicolor larva and pupa, SILFVENIUS (74–77) f. 19, T.c.—*T. reuteri* (N-9720) ♀

raco found in Scotland, MORTON (270) Ent. Mag. London **42**.

Tripletides gracilis (32–37), *obsoleta* and *amabilis* (37), early stages, ULMER Ann. Biol. lacustre Bruxelles **1**.

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Alemella nom. n. (208) (= *Alema* Enderl. 1905); *boliviensis* sp. n. Bolivia (209); ENDERLEIN T.c.

Allochrysa arizonica sp. n. Palmerlee, BANKS (98) Psyche **13**.

Boriomyia gen. n. *Hemerobiidae* type *disjunctus* Banks (36), *posticata* Utah sp. n. (39), BANKS Philadelphia Tr. Amer. ent. Soc. **32**.

Brachynemurus curriei sp. n. Texas, McCLENDON (93) Ent. News **17**.

Calinemurus fuscus Arizona, BANKS (6) Philadelphia Tr. Amer. ent. Soc. **32**, sp. n.

Chauliodes punctatoguttatus (= ♀ ? *dispar* v.d. Weele) Java, *C. sundaicus* Sumatra, spp. n., WEELE, (143) Leiden Notes Mus. Jentink **28**.—*C. dispar* sp. n. Java and Sumatra, WEELE T.c. (219).

Chrysopa vulgaris var. n. *barnolai*, *subeubitalis* var. n. *sordidata*, NAVÁS (137) Zaragoza Bol. Soc. Aragon. **5**.—*C. majuscula* nom. n. pro *erythrocephala* Banks, *injuncta* nom. n. pro *marginalis* Banks, BANKS (98) Psyche **13**.—*C. marginalis*, *robusta*, N. America, *fascialis* Mexico, BANKS (5) Philadelphia Tr. Amer. ent. Soc. **32**, spp. n.

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Coniopterygidae; the swedish; TULLGREN Uppsala Arkiv. Zool. **3** No. 5.

Coniopteryx reticulata Sweden, TULLGREN (14) T.c., **sp. n.**—*C. angustipennis* Paraguay (208), *bivoli* New Guinea (203), *callangana* Peru (207), *maculithorax* Australia (204), *pygmaea* Berlin (201), *ralumensis* New Britain (203), **spp. n.**, *tineiformis* var. *n. transversalis* (200), ENDERLEIN Zool. Jahrb. Syst. **23**.—*C. vicina*, cocoons and young, EMERTON Psyche **13** (74–75).

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Dicolpus bicolor Biafra, Klapálek (325) Madrid Mem. Soc. esp. Hist. Nat. **1**, **sp. n.**

Episperchus taeniatus G. = *impediens* Wlk.; *irideus* G. = *iniquus* Wlk.; WEELE Leiden Notes Mus. Jentink **26** (226–228).

Eremochrysa californica Santa Clara, BANKS (6) Philadelphia Tr. Amer. ent. Soc. **32**, **sp. n.**

Haplogenius fervidus and *hilaris* G. = *H. albistigma* Wlk., welcher wahrscheinlich identisch mit *Byas flavocerus* Rbr. ist; *H. dentiger* G. ist *microceris* M. L., *maculipennis* Taschb. to *Allocormodes*, *H. vacuus* G. to *Episperches*, WEELE Leiden Notes Mus. Jentink **26** (226–228).

Helicoconis australiensis, *maculata*, Australia, (222), *pistrix* (233), *garleppi* (234), Peru, **spp. n.**, ENDERLEIN Zool. Jahrb. Syst. **23**.

Helicomitus, Mac Lachl., synonymical notes (200), *H. ctenocerus* G. = *Acheron trux* Wlk. (226–228), WEELE Leiden Notes Mus. Jentink **26**.

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Heteroconis dahli Bismarck Arch., *ornata*, (228), *varia* (229), Australia, **spp. n.**, ENDERLEIN Zool. Jahrb. Syst. **23**.

Josandrewa **gen. n.** (134) near *Croce*, *sazi* **sp. n.** Alicante (135), NAVÁS Zaragoza Bol. Soc. Aragon **5**.

Leucochrysa antennata Mexico, BANKS (5) Philadelphia Tr. Amer. ent. Soc. **32**, **sp. n.**

Lomamyia **gen. n.** *Hemerobiidae* for *flavicornis* Walk. and *texana* Banks; BANKS (28) T.c.

Mantispa perla var. nov. *brunnea*, NAVÁS (102) Madrid Bol. Soc. espan. **6**.

Maracandula bellula N. America, BANKS (7) Philadelphia Tr. Amer. ent. Soc. **32**, **sp. n.**

Megalomus minor Nevada and Nicaragua, BANKS (43) T.c.

Myrmecoleon formicarius, Lebensdauer, MEISSNER Insektenbörse Leipzig **23** (131–132); *Myrmeleo* f. larvae and pupae habits, LUCAS and CHAPMAN (53–57) ents London Trans. ent. Soc. 1906; *Myrmeleo* f. (5) pl. i f. 5, *leucostigmatus* **sp. n.** (9) pl. i f. 4 Kamerun, WEELE Uppsala Arkiv. Zool. **3** No. 2.

Osmylus camerunensis Africa, WEELE (12) pl. i f. 1 T.c., **sp. n.**

Palpares hildebrandti, *voeltzkovi*, (139), *amitinus* (140), Madagascar, **spp. n.**, KOLBE Insektenbörse **23**.

Panorpa; prey in Britain, POULTON (402) London Trans. ent. Soc. 1906.—*P. carolinensis* N. America, BANKS (8) Philadelphia Tr. Amer. ent. Soc. **32**, **sp. n.**—*P. virginica* **sp. n.** N. America, BANKS (99) Psyche **13**.

Panorpodes carolinensis N. America, BANKS (8) Philadelphia Tr. Amer. ent. Soc. **32**, **sp. n.**

Parasemidalis farinosa (222), *metallica* (221), Australia, *phacoptera* Peru (223), **spp. n.**, ENDERLEIN Zool. Jahrb. Syst. **23**.

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Puer pardalis G. ist vielleicht eine *Theleproctophylla*-Art, WEELE Leiden Notes Mus. Jentink **26** (226–228).

Raphidia occulta N. America, BANKS (4) Philadelphia Tr. Amer. ent. Soc. **32**, **sp. n.**

Semidalis africana Nyassa (214), *curtisiana* Berlin (212), *fülleborni* E. Africa (215), *kolbei* Chile (217) *nivosa*, *pruinosa*, *scobis*, Peru, (216), **spp. n.**, ENDERLEIN Zool. Jahrb. Syst. 23.

Sisyra; larva with *Spongilla*; ANNANDALE (194) pl. i f. 2 Calcutta J. As. Soc. 2.

Suphalasca placida G. = *Helicomitus immotus* Wlk., *S. rectila* G. and *bacillus* G. to *Encyoposis*, *S. euryptera* G. to *Dicolpus*, WEELE Leiden Notes Mus. Jentink 26 (226–228).—*S. floridana* **sp. n.** S. Florida, BANKS (99) Psyche 13.

Symphorobius **gen. n.** *Heemerobiidae*, type *disjunctus* Banks, BANKS (40) Philadelphica Tr. Amer. ent. Soc. 32.

Theleproctophylla ? *sjostedti* Kamerun, WEELE (2) pl. i f. 3 Uppsala Arkiv. Zool. 3 No. 2, **sp. n.**

Ulula praecellens G. to *Cordulecerus*, WEELE Leiden Notes Mus. Jentink 26 (226–228).

(*Croce attenuata* Charters Towers-Queensland, FROGGATT, Sydney, N.S.W. Proc. Linn Soc., 29 (675, pl 20 f. 1), **sp. n.**)

(*Parasemidalis* **gen. n.**, (197), *annae*, Brandenburg, (198) **sp. n.** ENDERLEIN, Entomol. Ztg. Wien 24 1905.)

(*Semidalis* **gen. n.**, ENDERLEIN, T.c. (197–198).)

†Fossil Neuroptera.

Actinophlebia **gen. n.** for *Pterinoblatta megapolitana* Gein., HANDLIRSCH (476) Foss. Ins.

Apeiophlebia **gen. n.**, *grandis* **sp. n.** Lias Mecklenburg, HANDLIRSCH (477) T.c.

Archgetes **gen. n.** *Prohemerobiidae* (604), *neuropterorum* **sp. n.** Bayern Kalk (605), HANDLIRSCH T.c.

Brogniartiella inconditissimi Bayern Kalk, HANDLIRSCH (607) T.c., **sp. n.**

Callopanorpa **gen. n.** for *Orthophlebia bifurcata* Giebl., HANDLIRSCH (616) T.c.

Chaulioditidae fam. n. for *Chauliodites* Heer and *Triadosialis*, infra.

Creagoptera **gen. n.** *Prohemerobiidae*, *schwertschlagerei* **sp. n.** Bayern Kalk, HANDLIRSCH (605) T.c.

Dicranoptila **gen. n.**, *deichmulleri* **sp. n.** Bayern Kalk, HANDLIRSCH (608) T.c.

Ineptiae **gen. n.**, *meunieri* **sp. n.** Bayern Kalk, HANDLIRSCH (614) T.c.

Kalligrammidae fam. n. for *Kalligramma* Walth. and *Meioneurites*, HANDLIRSCH (610) T.c.

Meioneurites **gen. n.**, *schlosseri* **sp. n.** Bayern Kalk, HANDLIRSCH (612) T.c.

Mesochrysa **gen. n.** *Mesochrysopidae* am. n., for *Ilageniatermes zitteli* Meun., HANDLIRSCH (613) T.c.

Mesoleon **gen. n.**, *dobbertinianus* **sp. n.** Lias Mecklenburg, HANDLIRSCH (477) T.c.

Mesopanorpa **gen. n.** *Orthophlebiidae* for *Panorpa hartungi* Br., HANDLIRSCH (615) T.c.

Mesopsychopsis **gen. n.** for *Ricania hospes* Germ., HANDLIRSCH (607) T.c.

Neorthophebia **gen. n.** *Panorpata*, *maculipennis*, *minor*, (479), *debilis* (480), **spp. n.** Lias Mecklenburg, and *Orthophebia megapolitana* Gein., HANDLIRSCH T.c.

Nymphitidae fam. n., HANDLIRSCH (608) T.c.

Nymphites lithographicus Bayern Kalk, HANDLIRSCH (609) T.c.

Orthophlebia germanica, *geinitzi*, Lias Mecklenburg, HANDLIRSCH (481) T.c., **spp. n.**

Orthophlebiidae fam. n. *Panorpata*, HANDLIRSCH (479) Fossil. Ins.

Orthophlebioides **gen. n.**, *fuscipennis* (481), *limnophilus*, *reticulatus*, *latipennis* (482), **spp. n.**, Lias Mecklenburg, HANDLIRSCH T.c.

Osmylopsis **gen. n.** for *Abia duplicata* Giebel, HANDLIRSCH (614) T.c.

Palparites **gen. n.**, *deichmulleri* **sp. n.** Bayern Kalk, HANDLIRSCH (614) T.c.

Paraetinoephlebia **gen. n.** for *Pterinoblatta curtisii* Scudd., HANDLIRSCH (477) T.c.

Prohemerobius **gen. n.** *Prohemerobiidae* fam. n., *dilaroides*, *geinitzianus*, (474), *prodromus*, *parvulus*, *major*, *liasinus*, (475), *geinitzi* (476), **spp. n.**, Lias Mecklenburg, HANDLIRSCH T.c.

Pseudomyrmeleon **gen. n.** for *Myrmeleon extinctus* Weyenb., HANDLIRSCH (614) T.c.

Pseudopolycentropus gen. n. for *Phryganidium perlaeformis* Gein., HANDLIRSCH (482) T.c.

Solenoptilon gen. n. *Solenoptilidae* fam. n. for *Abia kochi* Gein., HANDLIRSCH (478) T.c.

Stenopanorpa gen. n. for *Panorpa gracilis* Gieb., HANDLIRSCH (616) T.c.

Triadosialis gen. n. for *Chauliodites zinkenii* Heer, HANDLIRSCH (401) Fossil. Ins.

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Bruggmannia gen. n. near *Schizomyia* (81), *braziliensis* sp. n. Rio Grande do Sul (82), TAVARES Broteria 5.

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†*Pseudadonia* **gen. n.** for *Platyura fittoni* Brod., HANDLIRSCH (629) Fossil. Ins.

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Belgica antarctica, RÜBSAMEN (77-83) pl. v Résult. Belgica, Zoologie.

Camptocladius foliatus Bitche, KIEFFER (334) Bruxelles Ann. Soc. scient. 30, **sp. n.**

Ceratopogon alonensis (396), *quadrimaculata* (399), *multiannulatus*, *defectivus* (400), Spain, **spp. n.**, STROBL Madrid Mem. Soc. esp. 3.—*C. mulleri* Thuringia, KIEFFER (336) Bruxelles Ann. Soc. scient. 30, **sp. n.**—*C. setosierus*, Chile, KIEFFER (357) T.c., **sp. n.**—*C. guttipennis* **sp. n.** Neu-Guinea, MEIJERE Nova Guinea 5 Livr. 1 (69), f. 1.—*C. varius* (14) f. 1, *pulicaris* (15) f. 2, pl. i, AUSTEN Brit. blood-suck. flies.

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Corynoneura bitensis Bitche, KIEFFER (328) Bruxelles Ann. Soc. Scient. 30, **sp. n.**

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Metriocnemus scirpi ♂, KIEFFER (331) Bruxelles Ann. Soc. Scient. 30.

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Protanypus **gen. n.** near *Anatopynia*, KIEFFER (318) T.c.

Psilotanypus **gen. n.** near *Procladius*, KIEFFER (318) T.c.

Tanypus septemmaculatus Bitche, KIEFFER (323) T.c., **sp. n.**—*T. signifer* **sp. n.** Neu-Guinea, MEIJERE Nova Guinea 5 Livr. 1 (71) f. 3.—*T. dyari* larva, fig., MITCHELL Ent. News 17 (244-246).

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Aëdeomyia africana Centr. Africa, NEVUE-LEMAIR (273) Arch. parasit. **10**, sp. n.

Aedes tormentor Louisiana (191), *meridionalis* Costa Rica, *philosophicus* Mexico, (195), *infirmatus* Louisiana (197), *habanicus* Cuba, *atlanticus* N. America, (198), *hemisurus* Jamaica, *cuplocamus* Costa Rica, (199), *grossbecki* (201), *quaylei* (202), N. America, DYAR and KNAB New York J. Ent. Soc. **14**, spp. n.—*A. auratus* (313) with larva (315), *pertinax* (316) with larva (317), Jamaica, GRABHAM Canad. Entomol. **38**, spp. n.—*A. affirmatus* (164), *podographicus* (165), Centr. America, DYAR and KNAB Washington Proc. Biol. Soc. **19**, spp. n.

Anopheles philippinensis sp. n. LUDLOW, J. American Medical Assoc. **39** 1902 (426-427).—*A. vestitipennis*, *strigimacula*, *apicimacula*, *punctimacula*, Centr. America, DYAR and KNAB (136) Washington Proc. Biol. Soc. **19**, spp. n.—*A. occidentalis* (159), *atropos*, N. America, *bellator* Trinidad, (160), DYAR and KNAB T.c., spp. n.—*A. crucians*, characters amended, LUDLOW (296) Canad. Entomol. **38**.—*A. maculipennis* abundance à Lyon, CONTE et VANEY Paris C.-R. Acad. Sci. **143** (778).—*A. nigripes* (18) pl. ii, *bifurcatus* (19) pl. iii, *maculipennis* (20) pl. iv, ACSTEN Brit. blood-suck. flies.—*A. claviger*, Lebensweise, Eigenschaften, Bekämpfung, PORTSCHINSKY Trd. B. entom. učen. Kom. M. Lendl. St. Petersburg **5** (1-135 + 1) mit 73 Fig.—*A.* in Seawater, VOGEL Batavia Genesck. Tijdschr. Ned. Ind. **46** (66-85).—*A. superpictus* and Malaria in Athen, PEZOPOULO und CARDAMATI Centralbl. Bakt. Jena Abt. 1 **40** Originale 1906 (344-350) 2 Taf. and (480-495) 2 Taf.—*A. habits* Susquehanna River, WEBER (280, 281) Ent. News **17**.

Cacomymia gen. n., COQUILLETT Washington Tech. Ser. U. S. Dept. Agric. Bur. Ent. **11**.

Collia tananariviensis Madagascar, VENTRILLON (198) Bull. Mus. Paris **12**, sp. n.

Ceratocystia gen. n. for *Culex* discolor larva, DYAR and KNAB (183) New York J. Ent. Soc. **14**.

Coelodiaezesis gen. n. for *Anopheles barberi* larva, DYAR and KNAB T.c.

Corethra; sense-organ on head, RÄDL Zool. Anz. **30** (169-170).—*C. fuliginosus* New York, FELT (458 and 496) Albany N.Y. St. Mus. Bull. **97**, sp. n.

Corethrella appendiculata sp. n. Jamaica, GRABHAM Ent. News **17** (343-345).

Culex; and allies, generic synonymy, cf. *Lepidoplatys*, *Lepidosia*; COQUILLETT (314) Science **23**.—On the breaking-up of the genus, COQUILLETT Science New York **23**, 1906 (312-314).—*C. neavei* (76), *rubinotus* (78), Sudan, THEOBALD Rep. Wellcome Lab. **2**, spp. n.—*C. zeltneri* (251), *somaliensis* (254), *pygmaeus* (256), *didieri* (257), Tropical Africa, NEVEU-LEMAIRE, Arch. parasitol. **10**, spp. n.—*C. cartrovi* Madagascar, VENTRILLON (429) Bul. Mus. Paris 1905, sp. n.—*C. gigantea* (100), *neireti* (101), Madagascar, VENTRILLON Bull. Mus. Paris **12**, spp. n.—*C. rizali*, Philippines sp. n., BANKS (999) Philippine J. Sci. **1**.—*C. lativittatus* sp. n. California, COQUILLETT (109) Ent. News **17**.—*C. frickii* Minnesota, LUDLOW (132) Canad. Entomol. **38**, sp. n.—*C. sylvicola* New Jersey, GROSSBECK (129) Canad. Entomol. **38**, sp. n.—*C. hassardii* Jamaica (167), larva (170), GRABHAM Canad. Entomol. **38**, sp. n.—*C. lactator interrogator*, (209), Centr. America *barbarus* Trinidad, *bahamensis* Bahamas, *mortificator* Costa Rica, *carmodyae* San Domingo (210), *extricator*, *declarator*, Trinidad, *proclamator* Mexico, *inquisitor* Trinidad, (211), *habilitator* San Domingo, *factor* Centr. America and Antilles, (212), *regulator* San Domingo (214), *coronator* Centr. America and Trinidad (215), *derivator*, *investigator*, Mexico, *inhibitor* San Domingo, *mutator* Mexico, (216), *elerator*, *educator*, Costa Rica, *conspirator* Mexico (217), *simulator* Trinidad, *gravitator* Mexico, *decorator* Tobago isld., (218), *lamentator* (219), *carcinophilus*, San Domingo, *daumas-turus*, *vector*, Trinidad, (220), *rejector*,

Mexico, *inimitabilis*, *conservator*, Trinidad, (221), *restrictor* Mexico, *divisor* Trinidad (222); DYAR and KNAB New York J. Ent. Soc. **14**, spp. n.—*C. azyrnus*, *basilicus consolator*, (169), *bastagarius* (170), Trinidad, DYAR and KNAB Washington Proc. Biol. Soc. **19**, spp. n.—*C. carmodyae* subsp. n. *mollis* (171), DYAR and KNAB T.c.—*C. squamiger* = (*Grabhamia de neidmannii* Ludl.), LUDLOW (132) Canad. Entomol. **38**.—*C. cantans* (24) pl. vi, *nemorosus* (25) pl. vii, *pipiens* (25) pl. viii, AUSTEN Brit. blood-suck. flies.—*C. varipalpus* Coq. = (*Taeniorhynchus sierrensis* Ludl.), the genus doubtful; LUDLOW (132) Canad. Entomol. **38**.—*C. hirsutipalpis* in Benguela, WELLMANN, (116) Entomologist 1906.—*C. curriei*, habits, oviposition, QUAYLE (4) Ent. News **17**.—*C. pipiens*, gregarious, KNAB Psyche **13** (123-133); habits, WEBER Ent. News **17** (214-217); number of eggs, DAVIS (368) Ent. News **17**.—*C. varipalpus*, larva, BLAISDELL Ent. News **17** (107-109) pl.

Culicada subcantans N. America, FELT (474) Albany N.Y. St. Mus. Bull. **97**, sp. n.—*C. canadensis*, WEBER Ent. News **17** (279-283).

Culicelsa auroides New York, FELT (449) Albany N.Y. St. Mus. Bull. **97**, sp. n.

Culiseta maccrackenae California (133), *dugesii* Mexico (134), DYAR and KNAB Washington Proc. Biol. Soc. **19**, spp. n.

Dendromyia sp. n., GRABHAM (173) Canad. Entomol. **38**.

Deinocerites cancer, larva, KNAB Psyche **13** (95-97) pl. v.

Etorleptomyia Th. = (*Oriella* Ludl.), LUDLOW (185) Canad. Entomol. (38).

Finlaya arandana sp. n. Philippines, BANKS (1001) Philippine J. Sci. **1**.

Grabhamia nigromaculis sp. n. America, LUDLOW Washington George Washington Univ. Bull. **5** (83-84).—*G. de neidmannii* cf. *Culex squamiger*.

Ilaemagogus regalis sp. n. Centr. America, DYAR and KNAB (167) Washington Proc. Biol. Soc. **19**.

Howardina aureostriata Jamaica (171), larva (172), GRABHAM Canad. Entomol. **38**, sp. n.

Isostomyia gen. n., COQUILLETT Washington Tech. Ser. U. S. Dept. Agric. Bur. Ent. 11.

Jamesia gen. n. for *Culex coucolor* and *tigripes*, CHRISTOPHERS Sci. Mem. Med. Ind. N.S. No. 25 (12).

Janthinosoma terminalis sp. n. N. America?, COQUILLETT Washington Tech. Ser. U. S. Dept. Agric. Bur. Ent. 11.—*J. sayi* nom. n. for *Culex musicus* Say (181), *J. infine* Trinidad and St. Domingo sp. n. (182), DYAR and KNAB New York J. Ent. Soc. 14.—*J. indoctum* sp. n. Trinidad, DYAR and KNAB (161) Washington Proc. Biol. Soc. 19.—*J. vanhalli* Surinam, *champerico* Guatemala, *coffini* Bahamas, (134), *schwarzii* Cuba, *texanum* Texas, *floridense* Florida, *toltecum* Mexico, *columbiae* N. America, *insularius* San Domingo, (135), DYAR and KNAB T.C., spp. n.—*J. echinata* (311) with larva (312), Jamaica, GRABHAM Canad. Entomol. 38, sp. n.—*J. jamaicensis* larva, KNAB (96) pl. vi Psyche 13.

Lepidoplatys gen. n. type *Culex squamiger*, COQUILLETT (314) Science 23.

Lepidopia gen. n. type *Culex cyaneus*, COQUILLETT (314) T.C.

Lesticocampa gen. n. for *Joblotia lunata* larva, DYAR and KNAB (226) New York J. Ent. Soc. 14.—*L. repax* Trinidad, *vomplesseni* Ecuador, *leucopus*, *ulopus*, Central America, DYAR and KNAB (137) Washington Proc. Biol. Soc. 19, spp. n.

Mansonina arabica N. Arabia, GILES (130) J. trop. Medicine London 9, sp. n.—*M. ? nigra* Sudan, THEOBALD (80) Rep. Wellcome Lab. 2, sp. n.—*M. uniformis* (266-271) cuts, NEVEU-LEMAIRE Arch. parasit. 10.

Megarlinus herickii Mississippi, THEOBALD (241) Entomologist 1906, sp. n.

Melanoconion urichii Trinidad, COQUILLETT (61) Canad. Ent. 38, sp. n.

Mochlostyrax gen. n. (223), *erraticus* Louisiana, *pilosus* Mexico, *caudelli* Trinidad, (224), *cubensis* Cuba (225), spp. n., DYAR and KNAB New York J. Ent. Soc. 14.—*M. floridanus* sp. n. N. America, DYAR and KNAB (171) Washington Proc. Biol. Soc. 19.—*M. jamaicensis* Jamaica (318) with larva (319), GRABHAM Canad. Entomol. 38, sp. n.

Myzomyia maugyana sp. n. BANKS (991) Philippine J. Sci. 1.—*M. nili* ♂ THEOBALD (68) Rep. Wellcome Lab. 2.

Nototricha gen. n., COQUILLETT Washington Tech. Ser. U. S. Dept. Agric. Bur. Ent. 11.

Nyssorhynchus bozasi (246-249) cuts, NEVEU-LEMAIRE Arch. parasit. 10.

Phoniomyia homotina sp. n. Centr. America, DYAR and KNAB (114) Washington Proc. Biol. Soc. 19.

Pseudoheptaphlebomyia madagascariensis Madagascar, VENTRILLON (427) Bul. Mus. Paris 1905, sp. n.

Psorophora virescens Centr.-America, *saeva* Trinidad, *iracunda* Costa Rica, DYAR and KNAB (133) Washington Proc. Biol. Soc. 19, spp. n.

Pyrethrophorus freerae sp. n. Philippines, BANKS (993) Philippine J. Sci. 1.

Quasistegomyia gen. n. (69), *unilineata* sp. n. Sudan (70), THEOBALD Rep. Wellcome Lab. 2.

Sabethes bipartipes sp. n. San Domingo, DYAR and KNAB (136) Washington Proc. Biol. Soc. 19.

Stegomyia cartrovi Madagascar, VENTRILLON Bul. Mus. Paris 1906 (143-145), sp. n.—*S. aurostriata* (995) sp. n., *fasciata persistans* n. subsp. (996), BANKS Philippine J. Sci. 1.—*S. medio-vittata*, *busckii*, San Domingo, COQUILLETT (60) Canad. Entomol. 38, spp. n.—*S. brumpti* (261-266) cuts, NEVEU-LEMAIRE Arch. parasit. 10.—*S. fasciata*, KNAB Science 23 (270-271).

Theobaldia alaskiensis Alaska, LUDLOW (326) Canad. Entomol. 38, sp. n.—*T. annulata* (23) pl. v, AUSTEN Brit. blood-suck. flies.

Theobaldinella spathipalpis early stages, THEOBALD (71-73) Rep. Wellcome Lab. 2.

Toxorhynchites argenteotarsis Philippines, LUDLOW (367) Canad. Ent. 38, sp. n.—*T. immisericors*, habits, natural history, PAIVA Calcutta J. As. Soc. Bengal 2 (357-378).

Taeniorhynchus africanus Egypt, NEVEU-LEMAIRE (271) Arch. parasit. 10, sp. n.—*T. palliatus* Trinidad, COQUILLETT (61) Canad. Entomol. 38, sp. n.—*T. squamiger* habits, QUAYLE (27) Canad. Entomol. 38.—*T. sierrensis* cf. *Culex varipalpus*.

Uranotaenia falcipes sp. n. Philippines, BANKS (1004) Philippine J. Sci. **1**.—*U. coatzacoalcas* Mexico (186), *continentalis* Louisiana, *coquilletti*? N. America, (187), DYAR and KNAB New York J. Ent. Soc. **14**, **spp. n.**—*U.* larvae, MITCHELL New York J. Ent. Soc. **14** (8-9).

Verrallina insolita Trinidad, COQUILLETT (62) Canad. Ent. **38**, **sp. n.**

Worcesteria gen. n. near *Toxorhynchites* (779), *grata* sp. n. Philippines (780) pl. i, BANKS Philipp. J. Sci. **1**.

Wyeomyia ochrura San Domingo (229), *aporonoma* Centr. America, *telesica* Trinidad, *autocratica* Trinidad, *hemisagnota* Costa Rica, (230), DYAR and KNAB New York J. Ent. Soc. **14**, **spp. n.**—*W. vanduzeei* Florida, *bromeliarum* hab.?, *bahama* Bahamas, *violescens*, *minor*, Cuba, (138), *guatemala* Guatemala, *fratercula* Martinique, *sororecula* San Domingo, *pseudopecten* Trinidad, (139), *melanocephala* Trinidad, *glaucocephala* San Domingo, *adelpha* Costa Rica, *galoa*, *chaleocephala*, *celaecephala*, Guatemala, *espartana* Costa Rica, (140), DYAR and KNAB Washington Proc. Biol. Soc. **19**, **spp. n.**

The following entries of Culicidae have been previously dealt with in the Zoological Record.

(Stefani (De) Perez, S. Osservazioni e notizie sui Culicidi siciliani. Naturalista sicil., Palermo, **17**, (9-13) and (43-48).)

(*Anopheles costalis*, Loew.; *gambiae*, Giles; *gracilis*, Dönitz; *A. pharacensis*, Theob. wellcomei, sp. n. Sudan, THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1**, 1904, (64-70, with pls.))

(*Culex cumminsii*, *dentatus*, sp. n.; *fatigans*, *pallidocephala*, sp. n.; *pipiens*, *pusillus*, *spathipalpis*, *viridis* Sudan, THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1**, 1904, (73-76, with pls.))

(*Eretmapodites condei* Madagascar, VENTRILLON, Arch. parasit. **9**, **sp. n.**)

(*Etorleptomyia*, gen. n.; *mediolineata*, sp. n. Sudan, THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1**, 1904, (71-73, pls. i 9, ii 2, figs. 1, 2).)

(*Heptaphlebomyia argenteopunctata*, *monforti*, VENTRILLON, Arch. parasit. **9** spp. n.)

(*Mansonia major*, *uniformis*, Sudan. THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1**, 1904, (76-77, with pls.))

(*Mimomyia splendens*, *uniformis*, sp. n. Sudan, THEOBALD, T.c. (80-81, with pls.))

(*Mucidus africanus*, THEOBALD, Khartoum, T.c. (71, pls. ii. 1, iv. 2, v. 6.))

(*Myzomyia*; *nili*, sp. n. M. n. sp. Sudan, THEOBALD, T.c. (66-68, with pls.))

(*Myzorhynchus paludis* Sudan, THEOBALD, Khartoum, T.c. (70).)

(*Panoplites africanus*, *uniformis*, Sudan, THEOBALD, T.c. (76-77 with pls.))

(*Pyretophorus costalis*, Sudan, THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1**, 1904, (70, pl. v, fig. 4).)

(*Stegomyia lamberti* Madagascar, VENTRILLON, Arch. parasit. **9**, **sp. n.**—*S. brumpti* NEVEU-LEMAIRE, Paris Bul. soc. zool. **30** **sp. n.**—*S. fasciata*, THEOBALD, Khartoum, Rep. Wellcome Res. Lab., **1**, 1904, (71, pl. vi, fig. 2).)

(*Taeniorhynchus annettii*; *aurites*; *cristatus*, sp. n. *tenax*; *tenax*, var. *maculipes*, var. n. Sudan, THEOBALD, T.c. (77-79, with pls.))

(*Theobaldia spathipalpis*, THEOBALD, T.c. (73, pl. vi. 1).)

(*Uranotaenia balfouri*, sp. n.; *caeruleocephala*; Sudan, THEOBALD, T.c. (82-83, with pls.))

PSYCHODIDAE, TERMITOMASTIDAE.

†*Phlebotomiella* gen. n. (103) for *Phlebotomus tipuliformis* Meun., MEUNIER (103) Naturaliste 1906.

Phlebotomus duboscqi Soudan, NEVEU-LEMAIRE (65) Paris Bull. Soc. Zool. **31**, **sp. n.**

†*Psychodites* gen. n. for *Asiraca eger-toni* and *kenngotti* Gieb. HANDLIRSCH (630) Fossil. Ins.

Termitomastidae = subfam. *Termitomastinae* von *Psychodidae*, HOLMGREN (140) Leipzig Zool. Anz. **30**.

Systematische Stellung der *Termitomastidae*, SPEISER Zool. Anz. Leipzig **30** 1906 (716-718).

(MEUNIER, Fernand. Sur un curieux *Psychodidae* de l'ambre de la Baltique. Miscel. ent. **13**, 1905, (49-51, av. fig.))

SIMULIIDAE.

Simulium divided into *Prosimulium* subg. n. and *Eusimulium* subg. n., ROUBAUD (519-521) Paris C.-R. Acad. Sci. 143.

Simulium neireti (425), *imerinae* (426), Madagascar, ROUBAUD Bul. Mus. Paris 1905, spp. n.—*S. rufipes* and sp. ?, NIPPON, ROUBAUD, Bul. Muséum Paris, 1906 (24-27).—*S. jolyi* Nouvelles Hébrides sp. n. (142), *S. damnosum* distribution etc. (140); ROUBAUD Bul. Mus. Paris 12.—*S. ignescens* (107), *riveti* (108), Equateur, *exiguum* Vénézuéla (109), ROUBAUD T.c., spp. n.—*S. perflavum* Brazil (518), *wellmanni* Angola (519), *beckeri* Biskra, *intermedium* Canaries (520), *victoriae* Australia, *buissoni* Marquis Islands (521), ROUBAUD Bul. Mus. Paris 1906, spp. n.—*S. damnosum* Theob., *griseicollis* Becker, Sudan, AUSTEN Khartoum Rep. Wellcome Res. Lab. 2 (52-53).—*S. pictipes*, blood-gills of larva, HEADLEE Amer. Nat. 1906 (875-885).—*S. reptans* (29) pl. x, AUSTEN Brit. blood-suck. flies.—*S. kolumbaczensis* ravages in Hungary, NOEL (13) Naturaliste 1906.

BIBIONIDAE.

Anarete; position, species, (338-342); *rubra* Bitche (343), *lateipennis* (345), *crassipalpis* (346), Styria, spp. n., KIEFFER Bruxelles Ann. Soc. scient. 30.

Dilophus erythraeus Eritrea, BEZZI (205) Firenze Boll. Soc. entomol. 37, sp. n.

†*Protoplecia* gen. n. for *Macropeza liasina* Gein., HANDLIRSCH (466) Fossil. Ins.

BLEPHAROCERIDAE.

Curupira; occurrence, in New Zealand, pl. xlvii, CHILTON Wellington Trans. N. Zeal. Inst. 38 (277-278).

Blepharocera; the eyes, RILEY Science 24 (297).

TIPULIDAE, RHYPHIDAE, etc.

Antocha opalizans var. n. *obscura*, STROBL (412) Madrid Mem. Soc. esp. 3.

Empeda nubila var. n. *fuscohalterata*, STROBL (413) Madrid Mem. Soc. esp. 3.

Limnobia nigra var. n. *laufferi* (410); *L. (Dicranomyia) novemmaculata* (411) sp. n. Spain; STROBL T.c.—*L. triocellata*

larva, JOHNSON (2) pl. i figs. 3 and 4 Psyche 13.

Limnophila axillaris Spain, STROBL (413) Madrid Mem. Soc. esp. 3, sp. n.

Longurio testaceus? larva, JOHNSON (1) pl. i figs. 1 and 2 Psyche 13.

Pachyrhina castellana Spain, STROBL (406) Madrid Mem. Soc. esp. 3, sp. n.

Tanyprema omissinervis sp. n. Neu-Guinea, MEIJERE Nova Guinea 5 Livr. 1 (71) f. 4.

Tipula pseudocinerascens (408), *gibbifera* (409), Spain, spp. n.; *irrorata* var. n. *guadarramensis* (407); STROBL Madrid Mem. Soc. esp. 3.—*T. nigdeensis* Asia minor, BISCHOF (172) Wien Ann. Nat. Hist. Hofmus. 20, sp. n.—*T. dichroa* Eritrea, BEZZI (220) Firenze Boll. Soc. entom. 37, sp. n.—*T. flavoannulata*, JACOBS (68) pl. iii f. 5 Résult Belgica, Zoologie.

Toxorhina madagascariensis sp. n. du copal récent de Madagascar, MEUNIER Elbeuf Bul. soc. étud. sci. nat. 24 1906 (97-100).

Trimiera annuliplena Eritrea, BEZZI (217) Firenze Boll. Soc. entomol. 37, sp. n.

†Fossil *Tipulidae*, *Ptychopteridae* etc.

†*Limnophila (Dactylolabis) elegantissima* sp. n., de l'ambre de la Baltique, MEUNIER Naturaliste Paris 28 1906 (103-104).

†*Architipula* gen. n., *Architipulidae* fam. n., *seebachiana*, *elegans*, (490), *lateipennis*, *stigmatica*, (491), spp. n., Lias Mecklenburg, HANDLIRSCH Fossil. Ins.

†*Dactylolabis elegantissima*, Baltic amber, MEUNIER (103, 104) Naturaliste 1906, sp. n.

†*Eolimnobia* gen. n., *geinitzi* sp. n. Lias Mecklenburg, HANDLIRSCH (489) Fossil. Ins.

†*Eoptychoptera* gen. n. *Eoptychopteridae* fam. n., *simplex* sp. n. Lias Mecklenburg, HANDLIRSCH (489) Fossil. Ins.

†*Eotipula* gen. n., *parva*, (491), *lapidaria* (492), spp. n., Lias Mecklenburg, HANDLIRSCH T.c.

†*Proptychoptera* gen. n., *liasina* sp. n. Lias Mecklenburg, HANDLIRSCH (489) T.c.

†*Protipula* gen. n., *crassa* sp. n. Lias Mecklenburg, HANDLIRSCH (491).

†*Protorhyphus* **gen. n.** *Protorhyphidae* fam. n., for *Phryganidium simplex* Gein., HANDLIRSCH (487) T.c.

STRATIOMYIDAE.

Wings of *Coenomyia*, *Evaza* etc., KERTÉSZ Ann. Hist.-nat. Hung. 4 (276) Taf. v.

Clitellaria argenteofasciata Eritrea, BEZZI (232) Firenze Boll. Soc. entom. 37, sp. n.

Evaza, Walk., Gattung und Arten; *E. indica* Bombay **sp. n.** (289); KERTÉSZ Ann. Hist.-Nat. Hung. 4 (276–292).

Hoplodonta impar Eritraea, BEZZI (228) Firenze Boll. Soc. entom. 37, sp. n.

Lasiopa rufitarsis Spain, STROBL (274) Madrid Mem. Soc. esp. 3, sp. n.

Nemotelus latiusculus Lw. var. = (*cardinalii* Bezzi), *lateralis* Duf., (2), *longirostris* Wied. (7); *tomentosus* (3), *candidus* (4), Biskra, *carthaginis* Carthage (5), *oasis* Biskra (6), **spp. n.**; BECKER Zs. Hymenopter. 6.

Odontomyia limbata, nomenclature, BECKER (10) T.c.—*O. xanthopus* (225), *poecilopoda* (227), Eritrea, BEZZI Firenze Boll. Soc. entom. 37, **spp. n.**

Oxycera annulata Tunis, BECKER (11) Zs. Hymenopter. 6, **sp. n.**—*O. abyssinica* Eritrea BEZZI (230) Firenze Boll. Soc. entom. 37, **sp. n.**

Peritta **gen. n.** near *Odontomyia* (10), *melichlora* **sp. n.** Biskra (11), BECKER Zs. Hymenopter. 6.

Pycnomalla splendens characters, synonymy, BECKER (8) T.c.

Sargus albopilosus **sp. n.** Neu-Guinea, MEIJERE Nova Guinea 5 Livr. 1 (73).

Stratiomyia segnis Tunis, BECKER (8) Zs. Hymenopter. 6, **sp. n.**

Zabrachia polita larva, JOHNSON (3) pl. i f. 8 Psyche 13.

TABANIDAE.

List of African *Tabanidae*; BEZZI (234–241) Firenze Boll. Soc. entom. 37.

Lebensgewohnheiten, Bekämpfung, PORTSCHINSKY Trd. B. entom. učen. Kom. M. Teml. St. Petersburg 2 (1–49) 19 Fig.

Habits and life histories of some North American *Tabanidae*; HINE Washington Tech. Ser. U. S. Dept. Agric. Ent. 12 (i–iii + 19–38).

Tabanidae of Louisiana, with a discussion of remedies and natural enemies; HINE Cameron La. Gulf Biol. Sta. Bull. No. 5 1906 (1–43).

Chrysops; the Finland species, SAHLBERG (103–105) Helsingfors Medd. Soc. Fauna Fl. Fenn. 31.—*C. distinctipennis* Sudan, AUSTEN, Rep. Wellcome Lab. 2 (53) pl. iv, **sp. n.**—*C. coecutiens meridionalis* var. n., STROBL (277) Madrid Mem. Soc. esp. 3.—*C. spp.*, eye coloration, DAECHE Ent. News 17 (39–42) pl.—*C. caecutiens* (53) pl. xxvi, *quadrata* (54) pl. xxvii, *relicta* (55) pl. xxviii, AUSTEN Brit. blood-suck. flies.

(*Chrysops amazon, bistellatus*. New Jersey, DAECHE, Ent. News 16 1905 (249–251), **spp. n.**)

Haematopota; revision of, based on specimens in British Museum collection; RICARDO Ann. Mag. Nat. Hist. 18 (94–127) plates iii–vi; *H. hirta* (101), *nigrescens* (103), *longa* (104), *ugandae* (105), *distincta* (106), *brunneescens* (107), *bipunctata* (108), *brunnipennis*, *unicolor*, (111), *similis* (112), Africa; *unizonata* (118), *cingulensis* (119), Ceylon, *tesselata* Trincomalee, *rubida* Burma, (120), *lata* India etc. (121), *breris* Ceylon and India (122); RICARDO T.c., **spp. n.**—*H. pulchrithorax* Sudan, AUSTEN Rep. Wellcome Lab. 2 (54) pl. v, **sp. n.**—*H. pluvialis* ♂ ♀ (35) pl. xi figs. 1 and 2, AUSTEN Brit. blood-suck. flies.

Ilinea **gen. n.** *flaviceps* **sp. n.** Rhodesia, ADAMS (150) Lawrence Kan. Univ. Sci. Bull. 3.

Holcoceria **gen. n.** near *Haematopota* (357), *nobilis* **sp. n.** Nyassa-See (358), GRÜNBERG Zool. Anz. 30.

Melissomorpha **gen. n.** near *Apatolestes* (97), *indiana* **sp. n.** Darjeeling (98), RICARDO London Proc. Zool. Soc. 1906.

Orgizomyia **gen. n.** for *Pangonia zigzag* Macq., GRÜNBERG Zool. Anz. 30 (349).

Pangonia granatensis (277), *escalerae* (278), Spain, STROBL Madrid Mem. Soc. esp. 3, **spp. n.**

Parhaematopota gen. n., *cognata* sp. n.
Ost-Afrika, GRÜNBERG Zool. Anz. 30
(360).

Tabanus ricardae Guinea (522),
obscurifumatus Congo (523), *velutinus*
Abyssinia (524), *sticticollis* (525), *cheva-*
lieri (526), Fouta-Djalou, *rothschildi*
(527), *pallidifacies* (528), SURCOUF Bul.
Mus. Paris 1906, spp. n.—*T. tarsalis*
Rhodesia, ADAMS (151) Lawrence Kan.
Univ. Sci. Bull. 3, sp. n.—*T. laetus*
sp. n. Neu-Guinea, MEJERE Nova
Guinea 5 Livr. 1 (74) f. 5.

Tabanus subniger sp. n. Illinois,
COQUILLETT (48) Ent. News 17.—*T.*
appendiculatus Guatemala (22), *fuscico-*
status Louisiana, *guatemalanus* San
Jose, (24), *stenocephalus* Guatemala (27),
unistriatus Costa Rica (28), HINE Ohio
Nat. T., spp. n.—*T. par* Walk. = (*rufipes*
Macq. = *luteolus* Loew) (56) f. 21,
ditacniatus Macq. = (*Atylotus nigro-*
maculatus Ric.) (57) f. 22, *virgatus* nom.
n. for *dorsivitta* Walk. (60) f. 25, *bigut-*
tatus Wied. = (*cerberus* Walk. = *noctis*
Walk. = *tripunctifer* Walk.) (60) figs.
26 and 27, *fasciatus* Fabr. *niloticus*
subsp. n. (62) pl. vi, *africanus* (64) f. 28,
AUSTEN Rep. Wellcome Lab. 2.—*T.*
bovinus (45) pl. xix, *sudeticus* (47) pl.
xx, *autumnalis* (48) plates xxi and xxii,
becomius (49) pl. xxiii, *maculicornis* (50)
pl. xxiv, *cordiger* (51) pl. xxv, AUSTEN
Brit. blood-suck. flies.—*T. quatuor-*
notatus oviposition young larva, LÉCAILLON
Paris C.-R. soc. biol. 62 1906 (459–460).

Thaumastocera gen. n. *Tabaninae*,
(345), *takua* sp. n. Kamerun (356),
GRÜNBERG Zool. Anz. 30.

Therioptectes micans (37) pl. xiii,
montanus (39) pl. xiv, *luridus* (40) pl.
xv, *tropicus bisignatus* (41) pl. xvi, *sol-*
stitialis (43) pl. xvii, AUSTEN Brit.
blood-suck. flies.

Thriambeutes gen. n. (352), *Pangonii-*
nae, singularis sp. n. Togo (353), GRÜN-
BERG Zool. Anz. 30.

LEPTIDAE, ACANTHOMERIDAE.

Acanthomera tere truncum sp. n. Para-
guay, also larva; FIEBRIG Zs. wiss. In-
sektenbiol. 2.

Leptis algerica Ain-Taya, BECKER
(282) Zs. Hymenopter. 6, sp. n.

Rhagio vermileo nigriventris var. n.,
STROBL (304) Madrid Mem. Soc. esp. 3.

Thereva aethiopica Eritrea, BEZZI (264)
Firenze Boll. Soc. entom. 37, sp. n.

ASILIDAE, MYDAIDAE.

List of African *Asilidae*, BEZZI (267–
279) Firenze Boll. Soc. entom. 37.

Asilidae and their prey, POULTON
(329–377) London Trans. ent. Soc. 1906.

Amphisbetetus gen. n. (131), *affinis*
sp. n. N. Africa (132), HERMANN Zs.
Hymenopter. 6.

Aneylorrhynchus laufferi Spain, STROBL
Madrid mem. Soc. esp. 3, sp. n.—*A.*
gunmiguitta Tangier, BECKER (366) Zs.
Hymenopter. 6, sp. n.

Asilus; Synonymie of Meigen's
species, VILLENEUVE Entomol. Ztg. Wien
25 1906 (43).

Cyrtopogon annulatus (134), *quadri-*
punctatus (135), Turkestan, spp. n.,
HERMANN Zs. Hymenopter. 6.

Dasyopogon (s.l.) *occlusus* sp. n. Neu-
Guinea, MEJERE Nova Guinea 5 Livr.
1 (75).—*D. favillaceus* Löw, HERMANN
(129) Zs. Hymenopter. 6.

Dioctria rufa Spain, STROBL (289)
Madrid Mem. Soc. esp. 3, sp. n.—*D.*
ocirifacies Tunis, BECKER (353) Zs.
Hymenopter. 6, sp. n.

Eriopogon jubatus Tangier, BECKER
(367) Zs. Hymenopter. 6, sp. n.

Heligmoneura nuda Eritrea, BEZZI
(290) Firenze Boll. Soc. entom. 37, sp. n.

Holopogon rugiventris Spain, STROBL
(297) Madrid Soc. esp. 3, sp. n.

Lagodias teratodes sp. n. E. Africa,
HERMANN (141) Zs. Hymenopter. 6.

Laphria flava escorialensis var. n.,
STROBL (300) Madrid Mem. Soc. esp. 3.

Laphyst'a hispanica Spain, STROBL
(299) T.c., sp. n.

Leptogaster linearis (284), *latestriata*
(285), Tunis, *stramineus* Algeria (286),
BECKER Zs. Hymenopter. 6, spp. n.—
L. bicingulata Eritrea, BEZZI (279)
Firenze Boll. Soc. entom. 37, sp. n.—
L. erecta, copal Zanzibar, MEUNIER (61)
Rev. Sci. Bourbon 1906, sp. n.

Lophonotus leucotaenia (286), *nanus*
(288), Eritrea, BEZZI Firenze Boll. Soc.
entom. 37, spp. n.

Machimus dactyliferus Spain, STROBL
(301) Madrid Mem. Soc. esp. 3, sp. n.—

M. griseus sp. n. Colorado, HINE (29)
Ohio Nat. 7.

Methylla Hansen (1883); an omitted genus, but is not distinct from *Dioctria* Meigen, BEZZI Entomol. Ztg. Wien 25 (1920).

Mydas fulvifrons, sexes, *chrysostoma* is the ♀, DAEOKE Ent. News 17 (347).

Neoitanus globifer Spain, STROBL (302)
Madrid Mon. Soc. espan. 3, sp. n.

Ommatius macroscelis Eritrea, BEZZI (292)
Firenze Boll. Soc. entom. 37, sp. n.

Promachus argyropus Eritrea, BEZZI (284)
T.c., sp. n.

Promachus flsibarbis (152), *apicalis*, *solus*, (153), *negligens* (154), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. 3, spp. n.

Saropogon distinctus (359), *clausus* (360), *lamperti* (362), *vosseleri* (363), *latecinctus* (364), Algeria, BECKER Zs. Hymenopter. 6, spp. n.

Scylaticus semizonatus Sahara, BECKER (365)
T.c. sp. n.

Selidopogon crassus Macq. ♂ ♀, BECKER (355)
T.c.

Sisyrodites niger Eritrea, BEZZI (283)
Firenze Boll. Soc. entom. 37, sp. n.—*S. major* Rhodesia, ADAMS (155)
Lawrence Kan. Univ. Sci. Bull. 3, sp. n.

Spanurus tellinii Eritrea, BEZZI (282)
Firenze Boll. Soc. entom. 37, sp. n.

Stilpnogaster auriannulatus sp. n.
British Columbia, HINE (29)
Ohio Nat. 7.

Syllegomydas gen. n. (277), wing (353), for *Rhopalia algerica* Gerst., *Leptomysdas cinctus* Macq., and *S. clari-pennis* sp. n. Tunis (279); BECKER Zs. Hymenopter. 6.

Trichardis gen. n., *testacea*, (137), *picta* (139), spp. n. Cape Colony, HERMANN Zs. Hymenopter. 6.

(Pandellé, L. Contribution à l'étude du genre *Asilus*, Rev. ent., Caen, 24, 1905, (44–98).)

ACROGERIDAE.

Ogcodes doddi Queensland, WANDOLLECK (131)
London Trans. ent. Soc. 1906, sp. n.

BOMBYLIIDAE.

List of African *Bombyliidae*, BEZZI (244–254)
Firenze Boll. Soc. entom. 37.

Amictus zinamominus (155), *tener* (157), Biskra, BECKER Zs. Hymenopter. 6, spp. n.

Anthrax perfectus (147), *inaequalis* (148), Tunis, BECKER T.c., spp. n.

Argyromochla dentata Tunis (148), *sabulonis* Biskra (149), BECKER T.c., spp. n.

Bombylius seminigir Tunis (97), *alvicolus* Biskra (99), *collaris* Tunis (100), *separatus* Oran (102), *biroi* S. Tunis (104), *gracilipes* Oran (106), *striatifrons* Sahara (108); BECKER T.c., spp. n.—*B. appendiculatus* Eritrea, BEZZI (255)
Firenze Boll. Soc. entom. 37, sp. n.

Dischistus eximius S. Tunis, BECKER (111)
Zs. Hymenopter. 6, sp. n.—*D. cylindricus* Eritrea BEZZI, (257)
Firenze Boll. Soc. entom. 37, sp. n.

Exoprosopa celineata Tunis (150), *arenacea* Sahara (151), *adelpha* Oran (152), *semiflavida* Tunis (274); BECKER Zs. Hymenopter. 6, spp. n.—*E. (Hyperalonia) alula* (259), *E. (Lithorrhynchus) erythraca* (261), Eritrea, BEZZI Firenze Boll. Soc. entom. 37, spp. n.

Mulio semiargyreus Spain, STROBL (282)
Madrid Mem. Soc. esp. 3, sp. n.—*M. delicatus* (153), *trifarius* (154), Biskra, BECKER Zs. Hymenopter. 6, spp. n.—*M. barbarus* Tunis, SACK (469)
Wien Verh. zool.-bot. Ges. 1906, sp. n.

Ploas bella Tunis, BECKER (112)
Zs. Hymenopter. 6, sp. n.

Psiatholaisius gen. n. near *Dischistus*, *bombyliiformis* sp. n. Tunis, BECKER (145)
T.c.

Systropus snowi Rhodesia, ADAMS (156)
Lawrence Kan. Univ. Sci. Bull. 3, sp. n.

Usia; revision with following spp. n.; *accola* (214), *angustifrons* (212), *amus* (207), *carmelitensis* (226), *crinipes* (208), *ignorata* (225), *locwi* (219), *pallascens* (226), *putilla* (215), *vagans* (221), spp. n., BECKER Berliner ent. Zs. 50 (1905)
1906 (193–228) 1 Taf.—*U. accola*,

angustifrons, (14), *ignorata* (15), Tunis, BECKER Zs. Hymenopter. **6**, spp. n.—*Usia aurata* Fabr. = (*taeniolata* A. Costa), BECKER, Napoli, Annuario Mus. zool. **2** No. 8.

NEMESTRINIDAE.

Nemestrina bolivari Spain, STROBL Madrid Mem. Soc. esp. **3**, sp. n.

†*Prochirmoneura* gen. n., *jurassicus* sp. n. Bayern Kalk, HANDLIRSCH (633) Fossil. ins.

EMPIDAE.

Empidae and their prey, POULTON (379–390) London Trans. ent. Soc. 1906.

Drapetis setigera dilutipes var. n., *pusilla fumipennis* var. n., STROBL Madrid Mem. Soc. esp. **3**.

Elaphropeza dispar Rhodesia, ADAMS (157) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.—*E. montana* Mel. to *Symbalophthalmus* MELANDER (372) Ent. News **17**.

Empis; tables of palaearctic, KUNTZE Zs. Hymenopter. **6** (209–216, 297–304). —*E. gibbipes* Spain, STROBL (308) Madrid Mem. Soc. esp. **3**, sp. n.—*E. surata* sp. n. Cattaro, KUNTZE (159) Zs. Hymenopter. **7**. — *E. validis* Rhodesia, ADAMS (158) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.

Hesperempis gen. n. for *Rhagas mabelae*, MELANDER (377) Ent. News **17**.

Hilara palmarum (309), *almeriensis* (310), Spain, STROBL Madrid Mem. Soc. esp. **3**, spp. n.

Parathalassius aldrichi California (374), *candidatus* Washington (375), MELANDER Ent. News **17**, spp. n.

Prorates gen. n. *Ilybotinae* (372), *claripennis* sp. n. New Mexico (373), MELANDER T.c.

Rhamphomyia longefilata (305), *gibbifera* (306), Spain, STROBL Madrid Mem. Soc. esp. **3**, spp. n.

Stilpon obscuripes Rhodesia, ADAMS (156) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.—*S. houghii* Mel. to *Chersodromia*, MELANDER (370) Ent. News **17**.

Syneches (*Harpamerus*) *velutinus* sp. n. Neu-Guinea, MEIJERE Nova Guinea **5** Livr. **1** (79).

Tachydromia albiseta var. n. *brunnipes* (312), *maculipes* var. n. *crassisetia* (314); *rondaensis* (316), *undulata* (317) *montserratensis* (318), *catalonica* (319), Spain, spp. n.; STROBL Madrid Mem. Soc. esp. **3**.

Thinodromia gen. n. *Tachydromiinae*, *inchoata* sp. n. California, MELANDER (370) Ent. News **17**.

Toreus gen. n. for *Empis neomexicana* Mel., MELANDER (376) T.c.

DOLICHOPODIDAE.

†Peculiarities of *Dolichopodidae* of Baltic amber, MEUNIER Paris C.-R. Acad. Sci. **143** (617, 618).

Agonosoma leucopygum (82) f. 8, *signalipenne* (83) f. 9, (*Psilopodinus*) *purpuratum* (84) f. 10, spp. n., Neu-Guinea MEIJERE Nova Guinea **5** Livr. **1**.

Argyra robusta Quebec, JOHNSON (59) Psyche **13**, sp. n.

Campsicnemus simplicissimus (323), *crinitarsis* (324), Spain, STROBL Madrid Mem. Soc. esp. **3**, spp. n.

Chrysotus xanthoprasius Eritrea, BEZZI (301) Firenze Boll. Soc. entom. **37**, sp. n.

Gymnopternus quadrifilatus Spain, STROBL (321) Madrid Mem. Soc. esp. **3**, sp. n.

Hercostomus melanolepis Eritrea, BEZZI (300) Firenze Boll. Soc. entom. **37**, sp. n.

Leucostola slossonae sp. n. Mt. Washington, JOHNSON Psyche **13** (59).

Pelastoneurus dissimilipes (= *nigrescens* Wh.) WHEELER (69) Ent. News **17**.

Rhagoneurus aethiopicus Eritrea, BEZZI (297) Firenze Boll. Soc. entom. **37**, sp. n.

Thinophilus scutulipalpis Eritrea, BEZZI (302) T.c., sp. n.

LONCHOPTERIDAE.

Revision of palaearctic *Lonchopteridae*, with much synonymy and the following spp. n., *fallax* (84) Netherlands, *strobbi* (86) Austria and Italy; DE MEIJERE's Gravenhage Tijdschr. Ent. **49**.—*L. africana* Rhodesia, ADAMS (159) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.

PHORIDAE, THAUMATOXENIDAE.

Account of *Phoridae*, the genera and lists of species, BRUES Gen. ins. **44** (21) 2 plates.

Aphiochaeta?, Rhodesia, ADAMS (159) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.—*A. longifrons*, *cavernicola*, N. America, BRUES (100) Milwaukee Bull. Wis. Nat. Hist. Soc. **4**, spp. n.

Phora papillata England WINGATE (111) Ent. Mag. London **42**, sp. n.; *P. papillata* is *lugubris* Mg., Id. T.c. (215).—*P. vitrea*, *luteifemorata*, (191), *sublugubris* (192), *domestica* (262), Britain, Wood Ent. Mag. London **42**, spp. n.—*P. opaca*, *perennis*, *nigricornis*, synonymy, COLLIN (177-179) Ent. Mag. London **42**.

Puliciphora borinquensis sp. n. Porto Rico, WHEELER (269) pl. xxxiv New York Bull. Amer. Mus. **22**.

Thaumatoxena andreinii Erythraea in nest of *Termes bellicosus*, SILVESTRI (356) Redia **3**, sp. n.

PLATYPEZIDAE, PIPUNCULIDAE.

Calotarsa insignis sp. n., California, tarsi of others, ALDRICH Ent. News **17** (123-127) pl.

Pipunculus vitiensis sp. n. Rewa, MUIR (10) Honolulu Exp. Stat. Bull. **2**.—*P.?* *glabrum* Rhodesia, ADAMS (165) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.—*P. eutrichodes* sp. n. Queensland (494), PERKINS Honolulu Exp. Sta. Hawaiian Sug. Pl. Ass. Div. Ent. Bull. **1**.

SYRPHIDAE.

Eristalis longicornis (160), *aequalis* (161), *communis* (162), *dissimilis* (163), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3**, spp. n.—*E. crocicmaculata*, JACOBS (69) pl. iii f. 3 Résult. Belgica, Zoologie.

Melanostoma bituberculata Rhodesia, ADAMS (160) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.

Paragus atratus sp. n. Neu-Guinea, MEIJERE Nova Guinea **5** Livr. **1** (85).

Pelecocera pruinosomaculata Spain, STROBL (326) Madrid Mem. Soc. esp. **3**, sp. n.

Volucella pellucida, larval habits, SUNDVIK (115-120) Helsingfors Medd. Soc. Fauna Fl. Fenn. **32**.

Xanthandrus comtus larval food and habits, CHAPMAN (14-16) Ent. Mag. (N-9720)

London **42**; larval habits, POULTON (396) London Trans. ent. Soc. 1906.

Xylota pigra larva, JOHNSON (2) pl. i figs. 5 & 6 Psyche **13**.

(Pandellé, L. Note sur le *Cheilosia* de France. Rev. ent., Caen, **24**, 1905, (25-44).)

CONOPIDAE.

Das „unpaare Organ“ der *Conopidae*, STREIFF Zs. wiss. Zool. Leipzig **84** 1906 (139-203) 2 Taf.

Myiopa minor Spain, STROBL (332) Madrid Mem. Soc. esp. **3**, sp. n.

Zodion vittipes Spain, STROBL (331) T.c., sp. n.

OESTRIDAE.

Account of *Oestridae* as subfam. *Oestrinae* of fam. *Muscaridae*; BAU Gen. ins. fasc. **43** (1-31) 2 plates.

Cephenomyia ulrichii in Ostpreussen, LÜHE (178, 179) figs. Königsberg Schr. physik. Ges. **46**.

Cuterebra cyanella sp. n. Nebraska, JONES (391) Ent. News **17** (391-392).

Dermatobia hominis, BARRETT (3) Washington Proc. ent. Soc. **8**.

Gastrophilus equi. haemorrhoidalis, nasalis, Vorkommen in verschiedenen Organen des Pferdes, BOLI Kazan' Zap. Veterin. Inst. **21** (378-381).

Hypoderma bovis & lineata summary of life-histories, IMMS J. econ. Biol. London **1** (74-91).

Neocuterebra gen. n., *squamosa* sp. n. Afrika, GRÜNBERG Berlin SitzBer. Ges. natf. Freunde **1906** (36).

Oestrus ovis oviposition, COLLINGE J. econ. biol. London **1** (72-73).

Schnablia nom. n. for *Microcephalus* Schnabl 1877, BEZZI Zs. Hymenopter. **6** (50).

Tachinoestrus gen. n., *fenestratus* sp. n. Afrika, GRÜNBERG Berlin SitzBer. Ges. natf. Freunde **1906** (39).

Rhinoestrus purpureus, Lebensweise, Fortpflanzung, Schaden. PORTSCHINSKY Trd. B. entom. učen. Kom. M. Zeml. **6** (1-44) 1 Taf.

MUSCIDAE CALYPTERATAE.

Affinities of *Anthomyiidae*, SCHNABL Entomol. Ztg. Wien **25** (267).

Präalarborste, value of the term, STEIN Entomol. Ztg. Wien **25** (127-128).

Parasitic fly of the domesticated silk-worms, habits of; TOYAMA Tokyo Nip. Sanshi Kw. Hō 173 1906 (1-10) pl.

(Pandellé, Louis. Etude sur les Muscides de France. Rev. ent., Caen, 3^e Partie, 1898-1904, (pagination spéciale, 492))

Allognota nova sp. n. Madagascar STEIN (75) Berliner ent. Zs. 51.

Anthomyia brassicae and cole in Nord-Holland; QUANJER Haarlem Nat. Verh. Holl. Maatsch. Wet. 6 (1-84) 7 Taf.—*A. conformis*, Lebensweise, Schaden etc., VASILJEV Věst. sacharn. promyšl. 6 (802-804).

Archylas hystrix, host, JOHNSON (2) Psyche 13.

Aricia annulipes sp. n. Kaffraria, STEIN (33) Berliner ent. Zs. 51.

(*Aricia marmorata* Zett. und verwandte Arten, STEIN, Entomol. Ztg. Wien 22 1903 (269-278).)

Atherigona magnipalpis Kamerun, nigrithorax Togo, spp. n., STEIN Berliner ent. Zs. 51 (66).

Auchmeromyia luteola, THEOBALD Khartoum Rep. Wellcome Res. Lab. 2 (85-87) fig. 42; bionomics WELLMAN Ent. News 17 (64-67).

Avihospita azurea, Auftreten im Frühjahr, MAZARAKIJ St. Petersburg Hor. Soc. Ent. Russ. 37 (xcvii-cix).

Barychaeta nom. n. for *Pachychaeta* Porthschinsky 1882, BEZZI Zs. Hymenopter. 6 (49).

Bengalia depressa natural history, THEOBALD (83-85) f. 41, Rep. Wellcome Lab. 2.

Beccarimysia; GRÜNBERG (83) Zool. Anz. 30.

Caricea seznotata, *multimaculata*, (205), *flavipes* (206), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. 3, spp. n.

Catharosia nigrisquama nigripes var. n., STROBL (340) Madrid Mem. Soc. esp. 3.

Ceromasia interrupta (Macq.) Rond. = *Tachina lepida* Meig.; VILLENEUVE, Entomol. Ztg. Wien 25 (43).

Cerophora funesta Rob. Desv. Beschreibung, VILLENEUVE T.c. (286).

Chortophila anthracina (251), *sancti marci* (252), Oberösterreich, spp. n., CZERNY Entomol. Ztg. Wien 25.—C.

linearis Rhodesia, ADAMS (206) Lawrence Kan. Univ. Sci. Bull. 3, sp. n.—*C. unilineata* hunting habits, POULTON (xiii) London Proc. ent. Soc. 1906.

Clista lentis Meig. = (*Scopolia tricineta* Rond.), *C. foeda* Meig. synonymy, VILLENEUVE (248) Entomol. Ztg. Wien. 25.

Coenosia humeralis, Nyassasee und Kamerun, *parvipunctata* (77), *longiseta* (78), Togo, *nitidiventris* Madagascar (79), STEIN Berliner ent. Zs. 51, spp. n.—*C. valida* (207), *lineata* (208), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. 3, spp. n.

Compsomyia macellaria L. dans l'Inde française, GIARD Paris Bull. Ass. franç. avanc. sci. 1905 (334-335).

Craticulina nom. n. for *Craticula* Pandellé 1895, BEZZI Zs. Hymenopter. 6 (49).

Cylindromyiopsis nom. n. for *Cylindropsis* (infra), BEZZI (144) T.c.; *Cylindropsis* nom. n. for *Cylindrosoma* Rondani, BEZZI T.c. (49).

Degeeria strigata Meig. = (*Brachychaeta spinigera* Rond.), VILLENEUVE (247) Entomol. Ztg. Wien 25.

Deuterammobia nom. n. for *Ammobia* Van der Wulp 1869, BEZZI Zs. Hymenopter. 6 (49).

Dexia irrorata Meig. = (*Atropidomyia parvula* BB.), *D. pectinata* Meig. = (*Iata* Egg.), VILLENEUVE (248) Entomol. Ztg. Wien. 25.

Erigone and *Varichaeta*, GIRSCHNER (363) Entomol. Zeit. Wien 25.—*E. viridescens* R. Desv. = (*Nemoraea nemorum* Meig.), VILLENEUVE (248) Entomol. Ztg. Wien 25.

Eudoromyia nom. n. for *Eudora* Rob. Desv. 1863, BEZZI Zs. Hymenopter. 6 (49).

Exorista properans Rond. = (*Masicera fatua* Meig. = *M. festinans* Meig.), *E. rapida* Meig. = (*immunita* Pand.), *E. libatrix* Meig. = (*Myroxorista grisella* BB. = *Zenillia fulva* Pand.), VILLENEUVE (247 and 248) Entomol. Ztg. Wien 25.

Fabriciella nom. n. for *Fabricia* R. Desv. 1830, BEZZI Zs. Hymenopter. 1906 (49).

Fortisia foeda = (*Leucostoma phacoptera* Meig.), VILLENEUVE (248) Entomol. Ztg. Wien 25.

Glossina; anatomy, GILES J. trop. Medicine London 9 (99 etc.); popular sketch, JAPHIA (147-149) Königsberg Schr. physik. Ges. 46, Sitz. Ber.; breeding places, MINCHIN Nature 74 (636) and 75 (30); *Glossina* in Cameroons and Togo, GRÜNBERG (92, 93) Zool. Anz. 30, cf. also *Glossinella*.—*G. palpalis*, CAZALBOU Paris C.-R. Acad. sci. 143 (435-437).—*Glossina palpalis wellmani* natural history; WELLMAN Ent. News 17 1906 (294-302) pl.; habits, WELLMAN (242-244) Ann. Mag. Nat. Hist. ser. 7 18.

Glossinella gen. n. (84) near *Glossina*, *schillingsi* sp. n. Ostafrika (86), GRÜNBERG Zool. Anz. 30.

Gonia atrata Asia Minor, BISCHOF (174) Wien Ann. Nat. Hist. Hofmus. 20, sp. n.

Gymnodia pratensis Rob. Desv., Beschreibung, VILLENEUVE Entomol. Ztg. Wien 26 (287).

Haematobia; GRÜNBERG (81) Zool. Anz. 30.—*H. stimulans* (59) pl. xxx f. 1, AUSTEN British blood-suck. flies.

Hebia flavipes Rob. Desv. Zugehörigkeit zu *Frontina*, VILLENEUVE Entomol. Ztg. Wien 25 (286).

Helicobosca nom. n. for *Theria* Rob. Desv. 1830, BEZZI Zs. Hymenopter. 6 (49).

Hydrophoria setinervis Togo (71), *fascigera* Kamerun (72), spp. n., STEIN Berliner ent. Zs. 51.—*H. tarsata* Rhodesia, ADAMS (206) Lawrence Kan. Univ. Sci. Bull. 3, sp. n.

Hydrotaea; British species described, GRIMSHAW (8-11, 72-77) Ent. Mag. London 42.

Hypochaeta castellana Spain, STROBL (336) Madrid Mem. Soc. esp. 3, sp. n.

Hypostena procera Meig. = (*incisuralis* Macq. = *Myobia pisciventris* Pand. = *Melanophora planigena* Pand.), VILLENEUVE (247) Entomol. Ztg. Wien 25.

Hystiricia triangulifera to *Phorocera* (70) pl. iii f. 4, JACOBS Résult. Belgica, Zoologie.

Hystirichoneura frontata Schin. = (*Myobia spreata* Meig. = *Tach. argyrea* Meig.), VILLENEUVE (247) Entomol. Ztg. Wien 25.

Leucostoma limbata Meig. = (*Ples. nigrisquama* Zett. = *Lithophasia pygmaea* Pand.), VILLENEUVE (248) T.c.

(n-9720 j)

Limnophora candicans Südfrankreich (28), *virgo* (30) Südfrankreich, spp. n., VILLENEUVE Entomol. Ztg. Wien 25.—*L. flavibasis* Kamerun, *versicolor* Madagaskar, STEIN Berliner ent. Zs. 51 (63), spp. n.

Limnospila Schn. and *Lispocephala* Pok., systematische Stellung, SOHNABL Entomol. Ztg. Wien 25 (267).

Lispa niveimaculata Nyassasee (68), *lateralis* Delagoabai (70), *trilineata* Ceylon (71), spp. n., STEIN Berliner ent. Zs. 51.

Lucilia; nutrition de larves, GUYÉNOT Paris C.-R. soc. biol. 61 1906 (634-635).—*L. fasciata* and *flaviceps* Macq. to *Pycnosoma*, AUSTEN (303) Ann. Mag. Nat. Hist. 17.—*L. bufonivora*, natural history etc., HESLE Biol. Centralbl. 26 (633-640) 1 Taf.

Lyperosia; (82), *L. minuta* Bezzi (86); GRÜNBERG Zool. Anz. 30.—*L. thilouxi*, *longipalpis*, SÉNÉGAL, ROUBAUD (896) Paris C.-R. Soc. biol. 1906, spp. n.—*L. irritans* (60) pl. xxx f. 2, AUSTEN British blood-suck. flies.

Macquartia praefica Meig. = (*echinalis* + *fascicularis* Pand.), VILLENEUVE (248) Entomol. Ztg. Wien 25.

Masicera ferruginea Meig. = (*Exorista rutila* Rond.), *M. rutila* Meig. = (*Ceromasia rufipes* BB. = *Tach. vicinalis* Pand.), VILLENEUVE (247) T.c.

Medoria funesta Meig. = (*Cercomyia curvicauda* Fall.), VILLENEUVE (248) T.c.

Metopia cinerea Perris = (*Hypereteina metopina* Schin.), VILLENEUVE Entomol. Ztg. Wien 25 (44).—*M. nasuta* = (*Phrosina argyrina* R. Desv.), VILLENEUVE (247) T.c.

Micropalpus; the european species, GIRSCHNER (364) Entomol. Ztg. Wien 25.—*M. pentheri* Asia minor, BISCHOF (175) Wien Ann. Nat. Hist. Hofmus. 20, sp. n.

Microtricha punctulata v.d. W. = (*Rondania cucullata* + *notata* R. Desv. = *Dystrix notiventris* Pand.), VILLENEUVE (248) Entomol. Ztg. Wien 25.

Miltogramma tricuspis Meig. = (*strenua* Perr. = *Sphinx. lineolata* Rond.), VILLENEUVE (247) T.c.

Morinia velox Rond. = (*Rhinomorinia sarcophagina* Schin.), *M. funebris* Meig. =

(*Hypostena medorina* Schin.), VILLENEUVE (247) T.c.

Musca remuria Walk. to *Pynosoma*, AUSTEN (303) Ann. Mag. Nat. Hist. 17.—*M. marginalis*, Wied.; *putoria*, Wied. Sudan, AUSTEN Khartoum Rep. Wellcome Res. Lab. 2 (66).

Mydaea pici, BUSCK (2) Washington Proc. ent. Soc. 8.

Myobia pruinosa Meig. = (*Conogaster nubilis* Rond. BB. = *dubia* Pand.), VILLENEUVE (247) Entomol. Ztg. Wien. 25.

Ochromyia jejuna predaceous habits, POULTON (391-396) London Trans. ent. Soc. 1906.

Paracompsomyia houghi (201), *splendida*, *verticalis*, (202), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. 3, spp. n.

Paramacronychia flavipalpis and *Macronychia meyer-duri*, VILLENEUVE (247) Entomol. Ztg. Wien 25.

Paraxorista papuana sp. n. Neu-Guinea, MEIJERE Nova Guinea 5. Livr. 1 (87).

Pegomyia squamifera Norddeutschland and England and Frankreich, *iniqua* Preussen und England (63), *sociella* Schweden (66), *pallida* Nordeuropa (69), *incisiva* Mitteleuropa (73), *ventralis* Südeuropa (75), *caesia* Norddeutschland (78), *solitaria* Schlessien und Oesterreich und Siebenbürgen (80), *maculata* Ungarn und England, *pallipes* Norddeutschland und Holland, (89), *genupunctata* Frankreich (90), *flavisquama* Oesterr. Alpen (91), *bivittata* Frankreich und Lapland, *femorata* Steiermark und Engadin und England, (98), *minima* Preussen (100), *palpata* Pommeren (101), spp. n., STEIN Entomol. Ztg. Wien 25.—*P. winkleri* var. *obscura* nov. var. (62), *flavipes* var. n. *diluta* (71), Id. T.c.—*P. micans* sp. n. Kamerun, STEIN Berliner ent. Zs. 51 (73).

Peletieria ferina Zett. = (*Echinomyia padilli* A. Costa), BEZZI Napoli Annuario Mus. zool. 2 No. 7 (1-2).

Penquistus gen. n. Muscidae (349), *cursor* sp. n. Chile (350), KIEFFER, Bruxelles Ann. Soc. scient. 30.

Phorbia brassicae, natural history in Minnesota; WASHBURN (1-17) pl. Rep. 11.

Phorocera inepta Meig. = (*Zenillia alticola* Pand.), VILLENEUVE (247) Ento-

mol. Ztg. Wien 25.—*P. media* Rond., synonymy. characters; VILLENEUVE Entomol. Ztg. Wien 25 (43).

Polietes hintierura, ♀ characters, WATERSTON (269, 270) Ent. Mag. London 42.

Psilida meridiana Rond. = (*Clelia pubens* Pand.), VILLENEUVE (247) Entomol. Ztg. Wien 25.

Pseudomintho pentheri, *rufipes*, Asia minor, spp. n., *brevipennis* var. n. *minor*, BISCHOF (176) Wien Nat. Hist. Hof. Mus. 20, sp. n.

Pynosoma = (*Paracompsomyia* Hough) synonymy and components; *P. marginale* Wied. = (*Paracomps. nigripennis* Hough), *P. chloropyga* Wied. = (*Paracomps. houghi* Adams), AUSTEN (301-303) Ann. Mag. Nat. Hist. 17.—*P. marginale* f. 29, *putorium* f. 30, AUSTEN (66) Rep. Wellcome Lab. 2.

(*Rhynchopsilops* gen. n., *R. villosus*, Stillserjoch, Tirol, sp. n., HENDEL, Entomol. Ztg. Wien 22, 1903 (129-131).

Rondania cucullata and *notata* Rob. Desv., Identität mit *Microtricha punctulata* Wulp., VILLENEUVE Entomol. Ztg. Wien 25 (286).

Sarcophaga; synonymy of european, KRAMER (216, 217) Zs. Hymenopter. 6.—*S. haematodes* Mg. = (*lusatica* Kr.), KRAMER Zs. Hymenopter. 6 (63-64).—*S. leucostylata* (343), *hispanica* (344), Spain, STROBL Madrid Mem. Soc. esp. 3, spp. n.—*S. caridei* Argentina on *Schis'ocerca*, BRÉTHES (299) An. Mus. Buenos Aires 6, sp. n.

Sarcophila magnifica and *S. carnaria* attacks on man, HAUTEFUEILLE (86-89) Amiens Bull. Soc. linn. 18.

Senotainia rubriventris, oviposition, OSBORN Ohio Nat. 7 (38).

Siphona; parasitism on *Tipula gigantea* and *Lepidoptera*, ROUBAUD Paris C.-R. Acad. Sci. 142 (1438).

Spilogaster uliginosa var. n. *almeriensis*, STROBL (347) Madrid Mem. Soc. esp. 3.—*S. phasiaeformis* (36), *gigas* (37), *evanescens* (39), Kamerun, *lativentris* Nyassasee (40), *albivitta* Togo, *trivittata*, (41), *fulgens* (43), Kamerun, *pectoralis* (44) Nyassasee, *setulifera* Australien, *analís*, (45), *planipalpis* (47) Kamerun, *rufina* Togo, *translucens* Madagaskar, (48), *abnormis* (49) Togo, *setigera* (50), *fuscitibia* (51), Kamerun, *fumaria* Sierra Leone (52), *unilineata* Pungo Andango,

serena, (53), *pilifemur* Nyassasee (54), *mollis*, *costalis*, *Cafraria*, (55), *mirabilis* (56) Nyassasee, *anthrax* Sierra Leone, *trimaculata* Nyassasee, (58), *maura* (59), *picea*, Kamerun, *cyanea* (60) Madagascar, *superba* Kamerun (61), **spp. n.**, STEIN Berliner ent. Zs. 51.—*S. quadriseta* (203), *latifrons* (204), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. 3, **spp. n.**

Stomoxys; anatomy, GILES J. trop. Medicine London 9 (99 etc.); internal anatomy, TULLOCH London Proc. R. soc. B 77 (523-531).—*Stomoxys bilineata*, *brunnipes*, (89), *glauca* (88), *inornata* (90), *korogwensis* (88), *sellata* (90), **spp. n.**, Afrika, GRÜNBERG Zool. Anz. 30.—*S. calcitrans*, life-history, NEWSTEAD (157-166) pl. xii J. econ. Biol. London 1; AUSTEN (58) pl. xxix Brit. blood-suck. flies.

Tachina bella Meig. = (*Argyrophylla pupiphaga* Rond. = *T. discrepanda* Pand.); *T. aurifrons* Meig. = (*Labidogaster agilis* B.B. = *Dionaea aurulans* [R.D.] Pand.); VILLENEUVE (247) Entomol. Ztg. Wien 25.

Tachinidae; generic nomenclature, 32 cases discussed, BEZZI (50-55) Zs. Hymenopter. 6.—*Tachinidae* reared from *Lepidoptera*, 16 spp.; MORLEY (270-274) Entomologist 1906.

Tamicea cinerea Macq. = (*Cistogaster globula* Meig., = *Androphana grandis* S., = *Etheria pedicellata* R. D. and *grisea* Pand.); VILLENEUVE Entomol. Ztg. Wien 25 (43).

Tessarochaeta **nom. n** for *Tetrachaeta* B. et B., BEZZI Zs. Hymenopter. 6 (50).

Thryptocera crassicornis, host *Simaethis*, SAHLBERG (19) Helsingfors Medd. Soc. Fauna Fl. Fenn. 32.

MUSCIDAE ACALYPTRATAE.

Catalogue and bibliography of the family *Ephydriidae*; JONES Sacramento Univ. Calif. Publ. Bull. ent. 1 (153-198).

Acalyptrate larvae in spider cocoons, SCHWANGART (105-107) Zs. wiss. Insektenbiol. 2.

Acrosticta bicolor **sp. n.** Texas, CRESSON (286) Philadelphia Trans. Amer. Ent. Soc. 32.

Agromyza (*Domomyza*) *lactefrons* (379), *andalusiaca* (380), *obscuripennis* (381), Spain, STROBL Madrid Mem. Soc. esp. 3, **spp. n.**—*A. carbonaria* Zett. life-

history habits, NIELSEN Zool. Jahrb. Jena Abt. f. Syst. 23 (725-738) 1 Taf.

Allometopon **gen. n.**, aff. *Heteroncureae fumipenne* **sp. n.** New Guinea, KERTÉSZ Ann. Hist.-Nat. Hung. 4 (320).

Antineura biroi (188), *kerteszi* (189), Neu-Guinea, **spp. n.**, MEIJERE Ann. Hist.-Nat. Hung. 4.

Apterina pedestris, Auftreten im Frühjahr, MAZARAKIJ St. Petersburg Hor. Soc. Ent. Ross. 37 (xcvii-xcix).

Asteia longipennis Rhodesia, ADAMS (188) Lawrence Kan. Univ. Sci. Bull. 3, **sp. n.**

Automola rafa **sp. n.** New Mexico, CRESSON, (282) pl. vi. f. 5, Philadelphia Trans. Amer. Ent. Soc. 32.

Borborus marginatus (198), *gravis* (199), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. 3, **spp. n.**

Caenia albifacies Rhodesia, ADAMS (181) T.c., **sp. n.**

Capnoptera laufferi Spain, STROBL (363) Madrid Mem. Soc. esp. 3, **sp. n.**

Ceratitis capitata aux environs de Paris; GIARD Paris C.-R. Acad. sci. 143 (353-354).

Chlorops trimaculata Rhodesia, ADAMS (196) Lawrence Kan. Univ. Sci. Bull. 3, **sp. n.**

Crassiseta tarda, *scapularis*, (189), *conjuncta*, *atricornis*, (190), *tuberculata*, *vulgaris*, (191), Rhodesia, ADAMS T.c., **spp. n.**

Dacus africanus Rhodesia, ADAMS (169) T.c., **sp. n.**

Desmometopa; the reputed parasitism, LUNDSTRÖM (100-104) Helsingfors Medd. Soc. Fauna Fl. Fenn. 32.

Diastata fuscipennis Macq. to *Diplocentra*, MEIJERE (332) Zs. Hymenopter. 6.

Diptotoxa inconstans flavipes var. n., STROBL (364) Madrid Mem. Soc. esp. 3.

Drosophila ampelophila, natural history, experiments, CASTLE and others, Boston Mass. Proc. Amer. Ac. 41 (729-786); also CASTLE, inbreeding, crossbreeding and sterility; Science 23 (153).—*D. andalusiaca* Spain, STROBL (372) Madrid Mem. Soc. espan. 3, **sp. n.**—*D. latifrons*, *quadrimaculata*, (182), *facialis* (183), *basilaris*, *flaviveta*, (184), *apicifera*, *mansura*, *palpalis*, (185), *proxima* (186), *mutabilis* (187), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. 3, **spp. n.**—*D. sigmoides*, habits, AINSLIE (44) Canad. Entomol. 38.

Ephydra millbrae (155), eggs larvae and pupae (156), *cinerea* (159), California; JONES Sacramento Univ. Calif. Publ. Bull. ent. **1**, spp. n.

Euprosopia bilineata sp. n. Neu-Guinea, MEIJERE Nova Guinea **5** Livr. 1 (92) f. 14.

Eurina fuscipennis sp. n. Neu-Guinea, MEIJERE T.c. (97).

Euxesta minor (286), *pulchella* (287), New Mexico, CRESSON Philadelphia Trans. Amer. Ent. Soc. **32**, spp. n.

Gaurax venustus (299), *niger* (300), Oberösterreich, spp. n., CZERNY Entomol. Ztg. Wien **25** (299).

Haplegis scutellaris Rhodesia, ADAMS (196) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.

Helomyza humilis var. n. *montserratensis*, STROBL (352) Madrid Mem. Soc. esp. **3**.

Hiatus gen. n. *Ortaliidae* (280), *fulvipes* sp. n. New Mexico (281) pl. vi figs. 1-4, CRESSON Philadelphia Trans. Amer. Ent. Soc. **32**.

Hypselothyreus gen. n. aff. *Drosophila* und *Asteia* (193), *dimidiata* Neu-Guinea, *fascipennis* Vorder Indien, (194), *brevipennis* Neu-Guinea (195), spp. n., MEIJERE Ann. Hist.-Nat. Hung. **4**.

Leptomyza varipennis v. d. Wulp, zu *Oxya*, Beschreibung; CZERNY Entomol. Ztg. Wien **25** (254-255).

Linna maculatissima Spain, STROBL (353) Madrid Mem. Soc. esp. **3**, sp. n.

Limosina marginata Rhodesia, ADAMS (200) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.

Lipara lucens, die Entwicklung der Galle von, REIJNVAAN und DOCTERS VAN LEEUWEN Nijmegen Rec. Trav. Bot. Neerl. **2** 1906 (235-264) 1 Taf.

Lonchaea splendida New Zealand, BROUN (4) New Zealand Dep. Agric. Bull. **4**, sp. n.

Melanochaeta nom. n. for *Pachychaeta* Bezzi 1895, BEZZI Zs. Hymenopter. **6**.

Meromyza opaca Rhodesia, ADAMS (193) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.

†*Micropeza prompta* Zanzibar fossil copal, MEUNIER (60) Rev. Sci. Bourbon. 1906, sp. n.

Milichia unicolor Kamerun, DE MEIJERE (333) Zs. Hymenopter **6**, sp. n.

Notiphila varitarsis (177), *confinis* (178), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3**, spp. n.

Notiphila varia California, JONES (153) Sacramento Univ. Calif. Publ. Bull. ent. **1**, sp. n.

Ochthera subtilis Rhodesia, ADAMS (180) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.

Oscinis rugosa (334), *albinervis* (335), Kamerun, DE MEIJERE Zs. Hymenopter. **6**, spp. n.—*O. polita*, *basilaris*, (192), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3**, spp. n.—*O. pulchrifrons* (190), *cinerea* (191), *lutea* (192), Neu-Guinea, spp. n., MEIJERE Ann. Hist.-Nat. Hung. **4**.—*O. frit*, [its course of life and its harmfulness in relation to agriculture in Denmark], ROSTRUP **2** Aarhus Meddelelser vedrørende Insektangreb paa Markagröden 1 Jylland. **1905** (75-83).

Pachycerina vaga Rhodesia, ADAMS (172) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.

Pachylophus splendida (193), *proxima* (194), *varipes*, *fossulata*, (195), Rhodesia, ADAMS T.c., spp. n.

Paralimna nigripes (178), *ornatipennis*, (179), Rhodesia, ADAMS T.c., spp. n.

Parydra aurata San Francisco, JONES (154) Sacramento Univ. Calif. Publ. Bull. ent. **1**, sp. n.

Philocompus aeneus sp. n. Insel Bali (187), MEIJERE Ann. Hist.-Nat. Mus. Nat. Hung. **4**.

Physogenua bimaculata Rhodesia, ADAMS (171) Lawrence Kan. Univ. Sci. Bull. **3**, sp. n.

Phytomyza algeciracensis, *spoliata*, (383), *bistrigata* (384), Spain, STROBL Madrid Mem. Soc. esp. **3**, spp. n.—*P. geniculata*, BÖRNER Berlin Arb. biol. Anst. **5** (283-292).

Platystoma ilgunensis, *pentheri*, Asia minor, BISCHOF (177) Wien Ann. Nat. Hist. Hofmus. **20**, spp. n.

Psila schineri Spain, STROBL (361) Madrid Mem. Soc. esp. **3**, spp. n.

Pterocalla undulata sp. n. Guadalajara, CRESSON (283) Philadelphia Trans. Amer. Ent. Soc. **32**.

Pyrgota abjecta Rhodesia, ADAMS (167) Lawrence Kan. Univ. Sci. Bull. **3**, **sp. n.**

Rhodesiella **gen. n.** *Agromyzidae* (197), *tarsalis* **sp. n.** Rhodesia (198), ADAMS T.c.

Rioxa de-beauforti (94) f. 17, *nigra* (95) f. 18, **spp. n.**, Neu-Guinea, MEIJERE Nova Guinea **5** Livr. 1.

Rivellia major Rhodesia, ADAMS (168) Lawrence Kan. Univ. Sci. Bull. **3**, **sp. n.**

Sapromyza univittata Spain, STROBL (356) Madrid Mem. Soc. esp. **3**, **sp. n.**—*S. africana* Rhodesia, ADAMS (171) Lawrence Kan. Univ. Sci. Bull. **3**, **sp. n.**

Scatophaga; prey, POULTON (393) London Trans. ent. Soc. 1906.

Scatophila curtippennis, BECKER (73) pl. iii figs. 1 & 2 Résult. Belgica, Zoologie.

Sepedon ornatifrons Rhodesia, ADAMS (166) Lawrence Kan. Univ. Sci. Bull. **3**, **sp. n.**

Sepsis astutis, *delectabilis*, (174), *propinquus* (175), *petulantis*, *rufa*, (176), Rhodesia, ADAMS Lawrence Kan. Univ. Sci. Bull. **3**, **spp. n.**—*S. apicalis* (168), *limbata* (169), Neu-Guinea, *plebeia* Sydney (171), *modesta* Vorder-Indien (172), *coprophila* Singapore (176), *decipiens* Neu-Guinea (177), *spectabilis* (178), *tenella* (183), Singapore, *beckeri* Vorder-Indien (185), *hirsuta* N.S. Wales (186), **spp. n.**, MEIJERE Ann. Hist.-Nat. Hung. **4**.—*S. trivittata* Bigot, *rufa* Macq., *basifera* Walk., *javanica* Meij., MEIJERE Ann. Hist.-Nat. Hung. **4**. (173–176).

Siphonclopsis **gen. n.** near *Siphonella*, *lactebasis* **sp. n.** Spain, STROBL (366) Madrid Mem. Soc. esp. **3**.

Spilographa zoë variation of wing, GUILLIAUME (223) Bruxelles Ann. Soc. ent. Belgique **50**.

Tephritis (Dacus) xanthodes New Zealand, BROWN (3) New Zealand Dep. Agric. Bull. **4**, **sp. n.**

Timia punctulata (112), *protuberans* (113), *turgida*, Tibet, *monticola* Alai-Gebirge (114), *dimidiata* (115), *mellina* (116), Kaschgar, *canaliculata* Ost-tur-

kestan (117), **spp. n.**, BECKER Entomol. Ztg. Wien **25**.

Urellia peregrina Rhodesia, ADAMS (170) Lawrence Kan. Univ. Sci. Bull. **3**, **sp. n.**

Urophora affinis hispanica var. **n.**, STROBL (358) Madrid Mem. Soc. esp. **3**.—*U. apollinaris* Colombia, KIEFFER (351) Bruxelles Ann. Soc. scient. **30**, **sp. n.**

(*Actenoptera* nom. **n.** für *Gymnomyza* Strobl, CZERNY, Entomol. Ztg. Wien **23** 1904 (202).)

(*Agromyza simplex* GIARD, Paris Bul. soc. ent. **1904**, (179–181).)

(*Blaesochaetophora* **gen. n.**, für *Leia picticornis* Big., CZERNY, Entomol. Ztg. Wien **23** 1904 (206).)

(*Eyrignathomyia* **gen. n.**, für *Heteromyza opomyzina* Zett., CZERNY, Entomol. Ztg. Wien **23** 1904 (208).)

(*Chactonerius* **gen. n.**, for *Nerius inermis* Schin., HENDEL, Entomol. Ztg. Wien **22** 1903 (205).)

(*Helomyziden*, Revision, CZERNY, Entomol. Ztg. Wien **23** 1904 (199–244, 263–286 mit 1 Taf.).)

(*Helomyza setitarsis*, Süditalien, (234), *flagripes*, Schweiz, (235), *stroblii*, Steiermark, Ungarn, (241), *oldenbergii*, Deutschland, Ungarn, CZERNY, Entomol. Ztg. Wien **23** 1904 spp. **n.**—*Helomyza crinimana* nom. **n.** für *H. obscuriventris* Strobl *H. pilimana* Rond. CZERNY, Entomol. Ztg. Wien **23** 1904 (277).)

(*Milichinac*, Systematik, HENDEL, Entomol. Ztg. Wien **22** 1903 (249–252).)

(*Neoaletomerus* **gen. n.** *Agromyzinarum*, HENDEL, T.c. (252).)

(*Neotanypeza* subgen. **n.** *Tanypeza*, HENDEL, T.c. (203).)

(*Odinia* R.D., Gattungsscharaktere, HENDEL, T.c. (252).)

(*Rhynchomilichia* **gen. n.** HENDEL, T.c. (250).)

(*Stenoporomyia* **gen. n.** HENDEL, T.c. (250).)

(*Tanypezinae* nov. sect. *Ortalinarum*, HENDEL, T.c. (205).)

PUPIPARA.

Hippobosca camelina, *francilloni*, *maculata*, Theobald (90–92) pl. x Rep.

Wellcome Lab. 2.—*H. equina* (63) pl. xxxi, AUSTEN British blood-suck-flies.

Lipoptena cervi varr., LÜHE Königsberg Schr. physik. Ges. 46; ♂ pl. xxxiii, ♀ pl. xxxiv f. 1, AUSTEN (65) British blood-suck. flies.—*L. ibicis* Sudan, THEOBALD (88) Rep. Wellcome Lab. 2, sp. n.

Melophagus ovinus (67) pl. xxxiv f. 2, AUSTEN British blood-suck. flies.

Nycteribia on *Pteropus medius*, FLETCHER (36) *Spolia zeylan.* 4.

Ornithomyia avicularia (64) pl. xxxii, AUSTEN British blood-suck. flies.

†INCERTAE SEDIS.

†Fossil Diptera of the Lias; HANDLIRSCH (487–492) Fossil. Ins.

†Of the Jura, id. (628–634).

Such of these fossils as are referred to their families are recorded by us therein; the following are Incertae sedis:—

†*Bibionites* gen. n. for *Macropeza prisca* Brod., HANDLIRSCH (631).

†*Chironomopsis* gen. n. for *Chironomus arrogans* Gieb. and *extinctus* Brod., HANDLIRSCH (632).

†*Polyclona* Menge 1856, in amber, probably *Dipteron*, not a *Coccid*; COCKERELL (35), Washington D.C. Proc. ent. Soc. 8.

†*Pseudosimulium* gen. n. for *Simulium humidum* Brod., HANDLIRSCH (631) T.c.

†*Sciophilopsis* gen. n., *brodiei* sp. n. Purbeck England, HANDLIRSCH (632) T.c.

APHANIPTERA, or SIPHONAPTERA.

Revue systématique des Aphaniptères décrits jusqu'en 1904, (Russ), WAGNER St. Petersburg Hor. Soc. Ent. Ross. 37 1906 (439–471) Taf. ii.

Synonymy of Siphonaptera; OUDEMANS's Gravenhage Ent. Ber. Ned. Ver. 2 1906 (73–77).

Generic synonymy; OUDEMANS (131–134) Ent. Ber. Nederland 2.

Wagner's Nebenborstentheorie, OUDEMANS's Gravenhage Tijdschr. Ent. 49 Versl. (liii).

Aphaniptera on *Mus rattus* and *Mus decumanus* in different parts of the

world, ROTHSCHILD (483–485) J. Hygiene 6.

Fleas and their hosts in Scotland, WATERSTON (211–214) Ann. Scot. Nat. Hist. 1906.

Notizen über Suctoria III; OUDEMANS (Holländisch) 's Gravenhage Ber. Ned. Ent. Ver. 2 1906 (101–105).

Argopsylla End. is synonym of *Echidnophaga*, JORDAN and ROTHSCHILD (43) Liverpool Thompson Yates Lab. Rep. 7.

Ceratophyllus and *Ceratopsyllus* nomenclat. note, JORDAN and ROTHSCHILD (176) Nov. Zool. Tring 13.—*C. insularis* England, N. C. ROTHSCHILD (59) pl. ii Ent. Mag. London 42, sp. n.—*C. isidori* Weyenb. to *Ischnopsyllus*, JORDAN and ROTHSCHILD (177) Nov. Zool. Tring 13.

Ceratopsyllus crosbyi queried, ROTHSCHILD (187) Nov. Zool. Tring 13.

Chaetopsylla homoeus (222), *lasius* (223), Centr. asia, ROTHSCHILD Ent. Mag. London 42, spp. n.—*C. setosus* Canada, ROTHSCHILD (321) Canad. Entomol. 38, sp. n.

Ctenocephalus felis (= *parviceps* Weyenb.), variation; ROTHSCHILD and JORDAN (175) Nov. Zool. Tring 13.

Ctenopsyllus selenis (322), *hamifer* (324), Canada, ROTHSCHILD Canad. Entomol. 38, spp. n.

Dermatophilus, *Rhynchoprion* discussed as names, JORDAN and ROTHSCHILD (170) Nov. Zool. Tring 13.

Echidnophaga macronychia Australia (45) pl. i figs. 7, 8 etc., *bradyta* (47), *larina* (49), *aethiops* (51), S. Africa, *liopus* W. Australia (56); JORDAN and ROTHSCHILD Liverpool Thompson Yates Lab. Rep. 7, spp. n.

Hectopsylla coniger Bolivia (59), *brosceus* Argentina (60), JORDAN and ROTHSCHILD T.c., spp. n.—*H. psittaci* Frauenf. (= *testudo* Weyenb.), JORDAN and ROTHSCHILD (171) Nov. Zool. Tring 13.

Ischnopsyllus (= *Ceratopsyllus*), JORDAN and ROTHSCHILD (176) Nov. Zool. Tring 13.—*Ischnopsylla*; Arten, OUDEMANS's Gravenhage Tijdschr. Ent. 49 (lilix).—*Ischnopsyllus simplex* (= *octactena* Wagn.) Europe, (186), *gestroi* Italy (187), ROTHSCHILD Nov. Zool. Tring 13, spp. n.

Malacopsylla Weyenb. = (*Megapsylla* Baker); *grossiventris* Weyenb. = (*androcli* Rothsch. = *tolypeutis* End.); JORDAN and ROTHSCILD (171-173) Nov. Zool. Tring 13.

Nycteridopsylla gen. n. für *Ceratopsyllus pentactenus* Kol., *bouchei* nom. n. für *respertilionis* Bouché, OUDEMANS's Gravenhage Tijdschr. Ent. 49 Versl. (lviii).

Pulex chersinnus Khartoum on *Jaeculus*, ROTHSCILD (75) pl. iv Entomologist 1906, sp. n.—*P. cheopis*, anatomy, ROTHSCILD J. Hygiene 6 (486-495) pl. ix.—*P. cavicola* Weyenb. = (*concitus* Rothsch.), ROTHSCILD and JORDAN (174) Nov. Zool. Tring 13.

Pygiopsylla gen. n. type *Ceratophyllus hilli* Rothsch., *colossus* sp. n. Tasmania; ROTHSCILD (221) Ent. Mag. London 42.

Rhopalopsyllus Baker, validity doubtful, JORDAN and ROTHSCILD (173, 174) Nov. Zool. Tring 13.

Sarcopsyllidae, revision, JORDAN and ROTHSCILD Liverpool Thompson Yates Lab. Rep. 7 (15-72) 4 plates, includes many observations on the morphology and taxonomy of *Aphaniptora* generally.

Trichopsylla cuspidata Kol., Synonymie von *Ctenocephalus erinaceus* (Bouché), OUDEMANS's Gravenhage Tijdschr. Ent. 49 (l-lx).

Vermipsylla; Uebersicht der Arten, WAGNER St. Petersburg Hor. Soc. Ent. Ross. 37 (349-471) Taf. ii.

(*Ceratophyllus rothschildi*, N. S. Wales (on *Dasyurus maculatus* Kerr.) RAINBOW. Sydney, N.S.W., Rec. Austr. Mus. 6 (103, figg.) sp. n.)

(*Ctenopsyllus musculi*, Duges. (Now recorded from Australia), RAINBOW. Sydney, N.S.W., Rec. Austr. Mus. 6 (109).)

HEMIPTERA.

The genera of Hemiptera, 1758-1843, KIRKALDY (253-257) Entomologist 1906 (concluded).

On Kirkaldy's recent alterations of nomenclature, criticism, BERGROTH (8-12) Entomol. Ztg. Wien 25.

Conorrhyncha Bredd. and Börn. belongs to *Diptera*, not *Hemiptera*; SILVESTRI (350) Redia 3.

Heteroptera.

Catalogue of the genera of *Pagiopoda*, (*Anthocoridae* to *Notonectidae*) with types of genera, KIRKALDY Philadelphia Pa. Trans. Amer. ent. Soc. 32 (117-153).

Prey of *Hemiptera* in Britain, POULTON (403-408) London Trans. ent. Soc. 1906.

Spermatogenesis, *Heteroptera*, with new nomenclature; MONTGOMERY Philadelphia Pa. Trans. Amer. Phil. Soc. 21 (97-173).

PENTATOMIDAE.

Apparat zum Oeffnen der Eischale bei den Pentatomiden; HEYMONS Zs. wiss. Insektenbiol. Husum 2 1906 (73-82).

Aednulus gen. n., *podopoides* sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (40-41).

Aednus ellipticus sp. n. Celebes, BREDDIN (39) T.c.

Acnaria Stål; Diagnose, BERGROTH Entomol. Ztg. Wien 25 (2).

Allportia gen. n. for *Platycoris scutellatus* van Duzee, SCHOUTEDEN (140) Bruxelles Ann. Soc. ent. Belgique 50.

Anchises proximus New Pommernia, SCHOUTEDEN (139) T.c., sp. n.

Antestia atosignata S. Africa, DISTANT (287) Ann. Mag. Nat. Hist. 18, sp. n.—*A. laevigata*, *pauperata*, spp. n., Celebes, BREDDIN Halle Abh. natf. Ges. 24 (54-55).

Aphyllum gen. n. (644), *syntheticum* sp. n. Australien (646), BERGROTH Zool. Anz. 29 (646).—*A. bergrothi* Australia, SCHOUTEDEN (215) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.—*A. bergrothi* pl. i figs. 1 and 2, *syntheticum*, SCHOUTEDEN Gen. Ins. fasc. 47.

Aurungabada gen. n. *Tessaratominae*, *singularis* sp. n. Bombay, DISTANT (408) Bruxelles Ann. Soc. ent. Belgique 50.

Bathycœlia thalassina, early stages, SCHOUTEDEN Zs. wiss. Insektenbiol. 2 (82–88).

Byrsinus discus sp. n. W. Asia, und Uebersicht der russisch-asiatischen Arten, JAKOVLEV Rev. russ. ent. 6 (52).

Calliphara nitidissima New Guinea, SCHOUTEDEN (138) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Cantao pulcher Queensland, SCHOUTEDEN (137) T.c., sp. n.

Carbula munda sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (45).

Catadipson sus sp. n. Togo, BREDDIN Entomol. Ztg. Wien 25 (198).

Cazira fruhstorferi sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (59).

Coryzorrhaphis superba sp. n. Peru, BREDDIN Entomol. Ztg. Wien 25 (196).

Cuspiceona nigra sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (56).

Dalpadu hilaris sp. n. Celebes, BREDDIN T.c. (38).—*D. silvatica* (256), *punctulata* (257), Madagascar, BERGROTH Bruxelles Ann. Soc. ent. Belgique 50, spp. n.

Dendrocoris (Liotropis) schaefferi sp. n. Texas, BARBER (262) Brooklyn Mus. Bull. 1.

Diridor strigatus Walk., Identität mit *Empicoris lineatus* Dall., BERGROTH Entomol. Ztg. Wien 25 (1).

Doryeoris rutherfordi, DISTANT (286) Ann. Mag. Nat. Hist. 18.

Elastomastellus minor HORV., ROYER Paris Bull. soc. ent. 1906 (287–288).

Empicoris lineatus Dall. = (*hiuleus* Bergr.), BERGROTH, Entomol. Ztg. Wien 25 (1).

Euaenaria jueunda Bredd., zu *Aenaria*, BREDDIN Entomol. Ztg. Wien 25 (246).

Eusarcoris modestus Ceylon, DISTANT (406) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.—*E. decoratus* sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (44).—*E. distinctus* Australia, SCHOUTEDEN (142) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Euschistus bovillus Dist., Zugehörigkeit zu *Mormidea*, BERGROTH Entomol. Ztg. Wien 25 (2).

Galedanta compastoides sp. n. Manaos, BREDDIN Entomol. Ztg. Wien 25 (192).

Geocerypha gen. n. *Scutellerinae* (254), *scabra* sp. n. Madagascar (255), BERGROTH Bruxelles Ann. Soc. ent. Belgique 50.

Haliymorpha viridinigra sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (43).

Halys simplinervis Madagascar, BERGROTH (258) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Hermolaus swierstrae Transvaal, DISTANT (288) Ann. Mag. Nat. Hist. 18, sp. n.

Hippotiscus nom. n. for *Plexippus* Stål (= *Hippota* Bergr.); BERGROTH Entomol. Ztg. Wien 25 (2).

Hoplodistera validicornis sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (48).

Kahlamba gen. n. near *Malgassus* (288), *typica* sp. n. Natal (289), DISTANT Ann. Mag. Nat. Hist. 18.

Lagymotomus gen. n. für *Aenaria assimulus* Dist., BREDDIN Entomol. Ztg. Wien 25 (245).

Maeroscytus celebensis sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (36).

Megymenum rectangulatum sp. n. Celebes, BREDDIN T.c. (63).

Menestheus semoni HORV. zu *Paramenestheus* Bredd., BERGROTH Entomol. Ztg. Wien 25 (2).

Menida cingalensis, wellacayae, Ceylon, DISTANT (407) Bruxelles Ann. Soc. ent. Belgique 50, spp. n.

Mustha morgani, gigantea, Persia, HORVÁTH Bul. Mus. Paris 1906 (515), spp. n.

Nesagaeus gen. n. *Halyinae* (260), *hamulatus* sp. n. Madagascar (261), BERGROTH Bruxelles Ann. Soc. ent. Belgique 50.

Nesobius gen. n. *Halyinae*, *albescens* sp. n. Madagascar, BERGROTH (264) T.c.

Nezara nigropicta sp. n. Manaos, BREDDIN Entomol. Ztg. Wien 25 (193).

Niphe praeursor sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (42).

Novatilla Dist., Zugehörigkeit zu *Anaxilans* Stål, BERGROTH Entomol. Ztg. Wien 25 (3).

Odontotarsus; Monographia (463-483) 2 fig.; *concinus* Biskra (476), *placatus* Syria (482), **spp. n.**; *rufescens* var. n. *vittiger* (479), *purpureo-lineatus* var. n. *obsoletus* and *decolor* (474), *im pictus* var. n. *mendax* (477); HORVÁTH Ann. Hist.-nat. Hung. 4.

Oncocentias vittatus = (*brunneipennis* Bredd.), BERGROTH (3) Entomol. Ztg. Wien 25.

Pachycoris nitidiventris **sp. n.** Costa Rica (190); *P. torridus* var. n. *molestissima* and *lactissima* (191); BREDDIN Entomol. Ztg. Wien 25.

Peltocepta **nom. n.** for *Coptopelta*, BERGROTH (40) Wien ent. Zeit. 1904.

Peribalus fissiceps Asia Minor, HORVÁTH (180) Wien Ann. Nat. Hist. Hofmus. 20, **sp. n.**

Philia fenestrata **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. 24 (35). —*P. leucochalcea* Bredd., Identität mit *Ph. regia* Bergr., BERGROTH Entomol. Ztg. Wien 25 (1).

Placosternum *bos* Ceylon, DISTANT (406) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Podisus maculiventris, natural history, variation, MORRILL Washington Bull. U. S. Dept. Agric. Bur. Ent. No. 60 (155-161).

Poecilometis uniformis New South Wales, SCHOUTEDEN (139) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Prionocompastes nigriventris **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. 24 (57).

Proctophantasia forficuloides Ceylon, DISTANT (409) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Pseudostollia **gen. n.**, BREDDIN Halle Abh. natf. Ges. 24 (65).

Pygoplatys celebensis **sp. n.** Celebes, BREDDIN T.c. (62).

Roebournea **gen. n.** for *Phyllocephala tumidifrons* van Duzee, SCHOUTEDEN (144) Bruxelles Ann. Soc. ent. Belgique 50.

Sabacus sarsasinorum **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. 24 (49).

Sastragala tristicta **sp. n.** Celebes, BREDDIN T.c. (64).

Sepina conjungens Comoro Ins., BERGROTH (197) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Sepontia australis Queensland, SCHOUTEDEN (142) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Serbana **gen. n.** *Phloeinae*, *borneensis* **sp. n.** Borneo, DISTANT (405) Bruxelles Ann. Soc. ent. Belgique 50.

Stiretrus bifrenatus **sp. n.** Ecuador, BREDDIN Entomol. Ztg. Wien 25 (194).

Tessarotoma rubida **sp. n.** Celebes, BREDDIN Halle Abh. natf. Ges. 24 (61). —*T. spinipes* E. Africa, BERGROTH (196) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Testrica distincta, no locality, SCHOUTEDEN (138) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Zangiola **gen. n.**, *nitida*, *punctulata*, **spp. n.**, Celebes, BREDDIN Halle Abh. natf. Ges. 24 (51-53).

Zangis ignota New Guinea, SCHOUTEDEN (141) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**

Zaphlatus brevispinis Madagascar, BERGROTH (265) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.** —*Z. liturifer* Walk. (as *Dalapada*) = (*madagascariensis* Fall.), SCHOUTEDEN (252) Bruxelles Ann. Soc. ent. Belgique 50.

The following entries of Pentatomidae have previously appeared in the Zoological Record:—

(*Aspavia brunnea* Sign., Synonymie, SCHOUTEDEN, Entomol. Ztg. Wien 24 1905 (51).)

(*Cacnomorpha crassa* Dist., Synonymie, SCHOUTEDEN, T.c. (51).)

(*Catacanthus reuteri* Madagascar, SCHOUTEDEN, T.c. (51) sp. n.)

(*Chipatula splendidula* **nom. n.** SCHOUTEDEN, T.c. (51).)

(*Dalsira gelei* **nom. n.** fur *Schismatops gelei* Dist., *albopunctulata* Bergr. var. n. *pallida* Kongo, SCHOUTEDEN, T.c. (55).)

(*Garsauria haglundiana* **nom. n.** fur *G. haglundii* Schout. nec. Bergr., SCHOUTEDEN, T.c. (51).)

(*Lerida* Karsch, Synonymie, SCHOUTEDEN, T.c. (51).)

(*Lobopeltista* nom. n. für *Lobopelta* Schout., SCHOUTEDEN, T.c. (55).)

(*Menuthias* Kirk., Zugehörigkeit zu *Lerida* Karsch, SCHOUTEDEN, T.c. (51).)

(*Montandonista* nom. n. für *Montandoniella* Schout., SCHOUTEDEN, T.c. (51).)

(*Nezara emmerezii* Mauritius, (52), *soror*, Madagascar, (53), *congo*, Kongo, (54), spp. nn. SCHOUTEDEN, T.c.)

(*Schizops ictérica* Gerst., Zugehörigkeit zu *Dalsira*, SCHOUTEDEN, T.c. (55).)

(*Storthogaster junodi* Dist. var. n. *rikatlenensis*, Mozambique, SCHOUTEDEN, T.c. (55).)

COREIDAE.

Agraphopus brevicollis sp. n. Madagascar, BERGROTH Entomol. Ztg. Wien 25 (18).

Alydus setosus sp. n. Arizona, VAN DUZEE (386) Ent. News 17.

Brachylybas laticeps New Guinea, BREDDIN (47) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Clelus robustior sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (73).

Colpura breddini sp. n. Java, BERGROTH Entomol. Ztg. Wien 25 (12).—*C. guttatipes*, *conspersipes*, *roratipes*, spp. n., Celebes, BREDDIN Halle Abh. natf. Ges. 24 (68–70).—*C. terebrans* Assam (50), *C. (Microcolpura) pacalis* Borneo (51), *speculigera* (52), *humilis*, *C. (Eucolpura) dolens*, (53), Sumatra, BREDDIN Bruxelles Ann. Soc. ent. Belgique 50, spp. n.

Corizus zebraicus Borneo, DISTANT (409) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Esperanza gen. n. near *Cydamus* (269), *texana* sp. n. Texas (270), BARBER Brooklyn Mus. Bull., 1.

Ilyocephalus gen. n. (647), *aprugnis* sp. n. (648) Australien, BERGROTH Zool. Anz. 29.

Leptoglossus phyllopus method of feeding, GIRALD Ent. News 17 (382–383).

Leptoscelis bishimaculata sp. n. Costa Rica, BREDDIN Entomol. Ztg. Wien 25 (200).

Narnia snowi Arizona (384), *wilsoni* California (385), VAN DUZEE Ent. News 17, spp. n.

Notobitus celebenis sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (67).

Pepluricus fryi Transvaal, DISTANT (289) Ann. Mag. Nat. Hist. 18, sp. n.

Petillia tristis sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (66).

Rhombolaparus gen. n. *Brachytaria* (17), *tardigradus* Madagascar sp. n. (18), BERGROTH Entomol. Ztg. Wien 25.

Riptortus horvathi nom. n. für *R. serripes* Horv., BERGROTH Entomol. Ztg. Wien 25 (4).

Stenocolpura ungax Java, BREDDIN (55) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Typhlocolpura inops (56), *egena* (57), Java, BREDDIN Bruxelles Ann. Soc. ent. Belgique 50, spp. n.

(*Colobasiastes* gen. n., (246), *krügeri*, Java (245), *albipes*, *nigrifrons*, Bolivia, (247) spp. n., BREDDIN, Entomol. Ztg. Wien 22 1903 (246).)

(*Lybindus subvittatus* BERGROTH, Rev. ent. Caen 24 1905 sp. n.)

(*Savius bergi* BERGROTH, Rev. ent. Caen 24 1905 sp. n.)

LYGAEIDAE.

Agunga gen. n. near *Apollonius*, *crassa* sp. n. Ceylon, DISTANT (413) Bruxelles Ann. Soc. ent. Belgique 50.

Aphanus herwitti, *raja*, Borneo, DISTANT (415) T.c., spp. n.

Arocatus continctus Ceylon, DISTANT (410) T.c., sp. n.

Aspilogeton gen. n., *nubicola* sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (78–79).

Blissus leucopterus, SANDERSON Ent. News 17 (361–366).

Bulacius Dist., eine unbestimmbare Larvengattung, BERGROTH Entomol. Ztg. Wien 25 (4).

Callistonotus gen. n. near *Aphanus* for *Rhyarochromus nigroruber* Stål, HORVÁTH (182) Wien Ann. Nat. Hist. Hofmus. 20.

Coracodrymus gen. n., *musciicola* sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (80–81).

Critobulus Dist., unbestimmbare Larvengattung, BERGROTH Entomol. Ztg. Wien 25 (4).

Dieuches nudipes Ceylon & Java (325), *horni* (326), *villosulus* (327), Ceylon, *kreyenbergi* China (328), *jacobsoni* Java (329), *schultzei* Sumatra (330), **spp. n.**, BREDDIN Stettiner ent. Ztg. 67.

Dindymus rubiginosus var. **n. geniculatus** Celebes, BREDDIN Halle Abh. natf. Ges. 24.

Dinomachus rhacinus (410), *nitidusculus* (411), Ceylon, DISTANT Bruxelles Ann. Soc. ent. Belgique 50, **spp. n.**

Dyakana **gen. n.** for *Lygaeus dissimilis* Walk., DISTANT (412) T.c.

Eremocoris obscurus **sp. n.** Vancouver, VAN DUZEE (388) Ent. News 17.

Kanigara **gen. n.** near *Aphanus* (414), *flavomarginata* **sp. n.** Ceylon (415), DISTANT t.c.

Laxamana **gen. n.** near *Narbo*, *typicalis* **sp. n.** Borneo, DISTANT (416) Bruxelles Ann. Soc. ent. Belgique 50.

Ligyrocoris pseudoheraeus **sp. n.** Texas, BARBER (275) Brooklyn Mus. Bull. 1.

Lygaeus hospes var. **n. celebensis**, BREDDIN Halle Abh. natf. Ges. 24.—*L. militaris* Sudan, THEOBALD Khartoum Rep. Wellcome Res. Lab. 2 (95-96).

Malisa **gen. n.** *Cleradaria* (412), *ceromatica* **sp. n.** Ceylon (413), DISTANT Bruxelles Ann. Soc. ent. Belgique 50.

Masoas **gen. n.** *Heterogastrinae*, *transvaalensis* **sp. n.** Pretoria; DISTANT (290) Ann. Mag. Nat. Hist. 18.

Orycaenus dudgeoni, *gossipinus*, Sierra Leone, DISTANT (269) Entomologist 1906, **spp. n.**—*O. lavaterae*, abundance at Lago Maggiore, G. S. SAUNDERS (215) Ent. Mag. London 42.

Perigines similis **sp. n.** Texas, BARBER (276) Brooklyn Mus. Bull. 1.

Peritrechnus tristis **sp. n.** Vancouver, VAN DUZEE (388) Ent. News 17.

Plinthisus lativentris Irkutsk (274), *affer* with var. *kilimensis* Africa orient. (275), **spp. n.**, HORVÁTH Ann. Hist.-Nat. Hung. 4.—*P. lativentris* Sibérie (274), *affer* Afrique orient. allemande, (275), **spp. n.**, HORVÁTH Ann. Hist.-Nat. Hung. 4.

Plociomera ohlini Hagl., Identität mit *Bergidia polychroma* Spin., BERGROTH Entomol. Ztg. Wien 25 (4).

Salaciola **gen. n.** near *Sinierus*, *nana* Madagascar **sp. n.**, BERGROTH Entomol. Ztg. Wien 25 (19).

Scolopostethus pictus, egg fig. 9, larva fig. 10, (141, 142) Mjöberg Zs. wiss. Insektenbiol. 2.

Tamasanka **gen. n.** *Heterogastrinae*, *limbata* **sp. n.** Transvaal; DISTANT (291) Ann. Mag. Nat. Hist. 18.

Togo **gen. n.**, *victor* **sp. n.** Japan; BERGROTH (335) Ent. News 17 (335-336).

Tropistethus simulans Ceylon, DISTANT (414) Bruxelles Ann. Soc. ent. Belgique 50, **sp. n.**—*T. fasciatus* neu für Russland, JAKOVLEV St. Petersburg Hor. Soc. Ent. Ross. 37 (220).

Xestocoris **gen. n.** *Lethaeria* (389), *nitens* **sp. n.** New York (390), VAN DUZEE Ent. News 17.

PYRRHOCORIDAE.

Aderrhis **nom. n.** cf. *Adheris*.

Adheris **gen. n.** near *Dermatinus* (199), altered to *Aderrhis* (251), *pulla* **sp. n.** E. Africa (200), BERGROTH Bruxelles Ann. Soc. ent. Belgique 50.

Callibaphus gigas Comoro Ins., BERGROTH (198) T.c., **sp. n.**

Dermatinus reticulatus Sign. zu *Pyrrhocoris*, BERGROTH Entomol. Ztg. Wien 25 1906 (4).

Physopelta elegantula Bredd. = *Ph. pyrrhocorides*, BERGROTH l.c.

Pyrrhocoris apterus, Spermatogenese, GROSS Zool. Jahrb. Anat. 23 (269-336) 2 Taf.

TINGITIDAE.

Die Tingitiden des palaearktischen Faunengebietes (ungarisch); HORVÁTH Math. Term. Ért. Budapest 24 1906 (495-502).

Synopsis Tingitidarum regionis palaearcticae; HORVÁTH Ann. Hist.-Nat. Hung. 4 1906 (1-118) Tab. i.,

Tingitides d'Achille Costa, types, synonymy; HORVÁTH Napoli Annuario Mus. zool. 2 No. 10 1906 (1-3).

Modifications histologiques apportées aux fleurs du *Teucrium chamaedrys* et du *Teucrium montanum* par des larves de *Copium*; HOUARD Paris C.-R. Acad. sci. **143** (927-929).

Acalypta elegans sp. n. Sibiria orientalis (32), HORVÁTH Ann. Hist.-Nat. Hung. **4**.

Biskria; palaearkt. regionis HORVÁTH T.c. (34-35).

Calliphanes nom. n. for *Stephanitis* Champ. nec Stål; HORVÁTH (34) Ent. Mag. London **42**.

Campylosteira pilicornis (19), *libanotica* (21), spp. n., Syria, HORVÁTH Ann. Hist.-Nat. Hung. **4**.

Cantacader laticollis Algéria (11) fig. 7, *angulipennis* Hispania (12) fig. 3, spp. n.; *C. quadricornis* var. n. *nubilus* (12); HORVÁTH T.c.

Catoplatus hilaris sp. n. Syria (90), *anticus* var. n. *syriacus* (88); HORVÁTH T.c.

Copium; palaearkt. Arten, HORVÁTH (91-94) T.c.

Corythuca pergandei Washington sp. n., HEIDEMANN Washington Proc. Ent. Soc. **8** (10).

Derephysia; palaearkt. Arten, HORVÁTH Ann. Hist.-Nat. Hung. **4** (45-47).

Dictyonota reuteri sp. n. Syria (142), HORVÁTH T.c.

Diplogomphus gen. n. near *Elasmognathus*, *capusi* sp. n. Cochinchine, HORVÁTH (296) Paris Bull. Soc. ent. **1906**.

Elasmotropis testacea H.-Sch. varr. n. *vicina* and *platydera* HORVÁTH Ann. Hist.-Nat. Hung. **4** 1906 (58).

Galeatus; palaearkt. Arten, HORVÁTH (49-54) T.c.

Hyalochiton; palaearkt. Arten, HORVÁTH Ann. Hist.-Nat. Hung. **4** (48-49).

Lasicantha; palaearkt. Arten, HORVÁTH (59-61) T.c.

Monanthia sahlbergi sp. n. Turkestan (100), HORVÁTH T.c.

Monosteivra; palaearkt. Arten, HORVÁTH (104-107) T.c.

Oncochila; palaearkt. Arten, HORVÁTH (96-97) T.c.

Phaenotropis subgen. n. von *Monosteira*; *M. parvula* Sign. HORVÁTH (106) T.c.

Physatocheila; palaearkt. Arten, HORVÁTH (94-96) T.c.

Piesma tenella Turcomania (8), *rotundata* Syria (9), spp. n., HORVÁTH T.c.—*P. bicolorata* Transvaal, DISTANT (292) Ann. Mag. Nat. Hist. Ser. **7** **18**, sp. n.

Serenthia globiceps Syria (111), *umbrosa* (113), *melanoscelis* (114), Algeria, spp. n.; *atricapilla* varr. n. *mendax* and *pallens* (111), *laeta* var. n. *poppii* (116); HORVÁTH Ann. Hist.-Nat. Hung. **4**.

Stephanitis Stål = (*Cadmus*) Dist. = *Maecenas* Kirk.; HORVÁTH (34) Ent. Mag. London **42**.—S.; palaearkt. Arten, HORVÁTH Ann. Hist.-Nat. Hung. **4** (54-56).—*S. gallarum* Bengal, HORVÁTH (33) Ent. Mag. London **42**, sp. n.

Tingis deserticola (71), *leptochila* (74), Turkestan, *denudata* Algeria (75), *fuentei* Hispania (76), *stupida* Syria (77), *demissa* Asia Minor (78), *granadensis* Hispania (80), *reuteri* Turcomania (81), *cappadocica* Asia Minor (82), spp. n., HORVÁTH Ann. Hist.-Nat. Hung. **4**.—*T. demissa* (182), *cappadocica* (183), Asia minor, HORVÁTH Wien Ann. Nat. Hist. Hofmus. **20**, sp. n.

(*Acanthocheila kaharalu* KIRKALDY, Paris Bull. soc. ent. **1905**, sp. n.)

(*Americia annae* KIRKALDY, Paris Bull. soc. ent. **1905**, sp. n.)

(*Hanuala* gen. n. *leinaloni* KIRKALDY, Paris Bull. soc. ent. **1905**, sp. n.)

ARADIDAE.

Aradus concinnus ♀ (198); *A. cineticornis* Alabama (198), *heidemanni* Oregon (199), spp. n.; BERGROTH Canad. Entomol. **38**.

Coloborrhinus nom. n. for *Coloborhynchus* Champ., BERGROTH (202) T.c.

Eumenotes insularis Sangir isld., DISTANT (417) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Mezira = (*Brachyrhynchus*) (202), *M. jamaicensis* sp. n. Jamaica (201), BERGROTH Canad. Entomol. **38**

BERYTIDAE.

Apoplymnus pectoralis neu für Russlands, JAKOVLEV St. Petersburg Hor. Soc. Ent. Ross. **37** (220–246).

Jalysus wickhami sp. n. California and Arizona, VAN DUZEE (387) Ent. News **17**.

PHYMATIDAE.

Narina gen. n. (413), *capensis*, *elizabetha*, spp. n., S. Africa, (414), DISTANT Cape Town Trans. S. Afric. Phil. Soc. **16**.

GERRIDAE, or HYDROMETRIDAE.

Gerris; Lage der Stinkdrüse, BERGROTH Entomol. Ztg. Wien **25** (6).—*G. annulicornis*, *vulpina*, spp. n., Celebes, BREDDIN Halle Abh. natf. Ges. **24** (83–85).

Halobates herdmanni Ceylon, CARPENTER (151) 1 plate London R. Soc. Rep. Pearl Oyster **5**, sp. n.—*H. vullerstorffi*, mer des sargasses, MONACO (624) Paris C.-R. Acad. Sci. **142**.

Hermatobates; Identität mit *Hermatobates*, BERGROTH Entomol. Ztg. Wien **25** (6).

Perittopus breddini forma macroptera, BERGROTH T.c. (16).

Ptilomera pamphagus, *dorceus*, *laelaps*, *oribasus*, spp. n., Celebes, BREDDIN Halle Abh. natf. Ges. **24** (86–88).

REDUVIIDAE (incl. Emesidae and Nabidae).

Acanthaspis erlangeri (22) and var. *apicalis*, *annulata* (23), E. Africa, SCHOUTEDEN Bruxelles Ann. Soc. ent. Belgique **50**, spp. n.

Afrocastra Bredd.; Identität mit *Katanga* Schout., BERGROTH Entomol. Ztg. Wien **25** (5).

Allomastix gen. n. für *Diaditus errabundus* Dist., BERGROTH (4) T.c.

Antipula typicalis Ceylon, DISTANT (367) Ann. Mag. Nat. Hist. **18**, sp. n.

Arilus cristatus, number of eggs, GIRAULT (16) Ent. News **17**.

Bagauda splendens Ceylon, DISTANT (364) Ann. Mag. Nat. Hist. **18**, sp. n.

Cerilocus waterbergensis Transvaal, DISTANT (292) T.c., sp. n.

Coranus subapterus, egg, MjöBERG (17) Uppsala Arkiv. Zool. **3** No. 6.

Darbanus subunicolor sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. **24** (94).

Dystecta gen. n., *mendica* sp. n. Celebes, BREDDIN T.c. (98–99).

Ectrichodia Lep. S. und *Ectrychotes* Burm., Synonymie, BERGROTH Entomol. Ztg. Wien **25** (5).—*Ectrichodia splendens* (24), *herqui* (25), *hirsuta* (26), E. Africa, SCHOUTEDEN Bruxelles Ann. Soc. ent. Belgique **50**, spp. n.

Emesella immitis Venezuela, BERGROTH (312) Wien Verh. Zool.-bot. Ges. **1906**, sp. n.

Endochus viduus, *pauli*, *friderici*, *sarasinorum*, spp. n., Celebes, BREDDIN Halle Abh. natf. Ges. **24** (91–93).

Erizimachus Dist.; unhaltbare Larvengattung, BERGROTH Entomol. Ztg. Wien **25** (5).

Gallobelgicus gen. n. *Polididusaria* (370), *typicus* sp. n. Ceylon (371); DISTANT Ann. Mag. Nat. Hist. **18**.

Ghilianella assanutrix (314), *pascoci* (315), *semipallida* (317), *claviventris* (318), *globifera* (319), Venezuela, BERGROTH Wien Verh. Zool.-bot. Ges. **1906**, spp. n.

Guithera gen. n. near *Bagauda*, *hortensia* (364), *rubifera* (365), spp. n., Ceylon; DISTANT Ann. Mag. Nat. Hist. **18**.

Harpactor niger neu für Russlands, JAKOVLEV St. Petersburg Hor. Soc. Ent. Ross. **37** (220–246).

Havinthus rufovarius Berg. var. von *H. longiceps* Stål, BERGROTH Entomol. Ztg. Wien **25** (5).

Hediorcoris imitans E. Africa, SCHOUTEDEN (27) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Ischnomyctes inermiceps Madagascar, BERGROTH (270) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.—*I. marcidus*, BERGROTH (321) Wien Verh. Zool.-bot. Ges. **1906**.

Lanca gen. n. near *Platerus* (369), *kandyensis* sp. n. Ceylon (370); DISTANT Ann. Mag. Nat. Hist. **18**.

Libavius tricolor Ceylon, DISTANT (367) T.c., sp. n.

Leptolestes gen. n. near *Harpagocoris* (14), *hymenopterus* Java sp. n. (15), BERGROTH Entomol. Ztg. Wien 25.

Luteva funebris Borneo, BERGROTH (310) Wien Verh. zool.-bot. Ges. 1906, sp. n.

Luteopsis muscicapa Borneo, BERGROTH (311) T.c., sp. n.

Margasus princeps E. Africa, BERGROTH (201) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Mastigonomus erlangeri E. Africa, SCHOUTEDEN (27) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Nabis boops Schiödtte, ABOT Angers Bul. soc. étud. sci. 35 1906 (163-164). — *N. lativentris* eggs and oviposition, CHAPMAN (73, 74) pl. iii Entomologist 1906.

Nesita gen. n. (306), *polymorphus* (307), *annulosus* (309), spp. n., Madagascar, BERGROTH Wien Verh. zool.-bot. Ges. 1906.

Oucocephalus annulipes Stål eine Mischart, BERGROTH Entomol. Ztg. Wien 25 (4). — *O. ganadensis* E. Africa, SCHOUTEDEN (20) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Opinus Lap. = (*Sminthocoris* Dist.), KIRKALDY (249) Entomologist 1906; *Opinus* invalid, DISTANT (274) Entomologist 1906.

Orthunga arborea Comoro Ins., BERGROTH (268) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Pangeranga gen. n. *Tribelocephalinae* (365), *cinnamomea* sp. n. Borneo (366); DISTANT Ann. Mag. Nat. Hist. 18.

Petalochirus vittiventris E. Africa, BERGROTH (202) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Phonergates bicoloripes a tick destroyer, AUSTEN J. trop. Medicine London 9 (113); WELLMAN T.c. (97).

Physoderes dentiscutum sp. n. Neu-guinea, BERGROTH Entomol. Ztg. Wien 25 (16).

Physorrhynchus malabaricus Dist. eine unbestimmbare Larve, BERGROTH (5) T.c.

Pirates (Cleptocoris) tellinii Eritrea, SCHOUTEDEN (14) Bruxelles Ann. Soc. ent. Belgique 50, sp. n. — *P. abortivus* sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (102).

Ploiariola pygmaea Ceylon, DISTANT (363) Ann. Mag. Nat. Hist. 18, sp. n. —

P. baerensprungi neu für Russlands, JAKOVLEV St. Petersburg Hor. Soc. Ent. Ross. 37 (220).

Polytoxus luridus Madagascar, BERGROTH (268) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Pristhesancus maculiventris Bredd., Identität mit *Pr. chrysitis* Dist., BERGROTH Entomol. Ztg. Wien 25 (1-12).

Reduvius funebris E. Africa, SCHOUTEDEN (22) Bruxelles Ann. Soc. ent. Belgique 50, sp. n. — *R. (Opsicoetus) senilis* sp. n. Arizona, VAN DUZEE (390) Ent. News 17.

Rhaphidosoma greeni Ceylon, DISTANT (367) Ann. Mag. Nat. Hist. 18, sp. n. — *R. trituberculata* Madagascar, BERGROTH (267) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Scipinia bellicosa sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (89).

Serendiba gen. n. near *Villanocamus* (368), *pundalioyae* sp. n. Ceylon (369), DISTANT Ann. Mag. Nat. Hist. 18.

Sminthocoris cf. *Opinus*.

Sphedanolestes pulcher Eritrea, SCHOUTEDEN (15) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Stegius Dist.; unhaltbare Larvengattung, BERGROTH Entomol. Ztg. Wien 25 (5).

Stesichorus gen. n. *Acanthaspidinae*, *pilosus* sp. n. Ceylon, DISTANT (366) Ann. Mag. Nat. Hist. 18.

Sycanus galbanus Ceylon, DISTANT (368) T.c., sp. n.

Tetroxia blanda Bredd., Identität mit *Acanthaspis escalerae* Var., BERGROTH, Entomol. Ztg. Wien 25 (5).

Tribelocephala oculata Dist., Identität mit *Opisthoplatys oculatus* Bredd., BERGROTH Entomol. Ztg. Wien 25 (4).

Veledella fruhstorferi sp. n. Java, BERGROTH Entomol. Ztg. Wien 25 (14).

Ulpus grandituber Madagascar, BERGROTH (266) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

(*Acanthaspis variivensis* NOUALHIER, Mission Pavie 3, sp. n.)

(*Katanga* gen. n. *bergrothi*, Zentral-Afrika, (217) sp. n., SCHOUTEDEN, Entomol. Ztg. Wien 22 1903 (217).)

(*Prostemma siamense* NOUALHIER, Mission Pavo 3, sp. n.)

(*Spiniger bergi, paganus*, BERGROTH, Rev. ent. Caen 24 1905 spp. n.)

(*Zelus gradarius* BERGROTH, Rev. ent. Caen 24 1905 sp. n.)

CIMICIDAE.

Acanthia lectularia phototropisme, BOHN Paris C.-R. soc. biol. 60 (520-524).—*A. pipistrelli* in S. Africa, BOWMILL (246) J. Hygiene 6.

Cimex lectularius, nec *Klinophilos*, pathogenic literature, GIRAULT Psyche 13 (42-58).

(*Stictonotus* nom. n., für *Stictocoris* Kirk. und *Stictonotus* Stål, KIRKALDY Entomol. Ztg. Wien 24 1905 (268).)

ANTHOCORIDAE, HENICOCEPHALIDAE,
CERATOCOMBIIDAE.

Amphiareus fulvaceus (4) f. 3, DISTANT Faun. Brit. Ind. Rhynchota 3.

Arnulphus aterrimus (3) f. 2, DISTANT T.c.

Arrostelus (subgen. of *Xylocoris*) nom. n. for *Arrostus* Reuter, KIRKALDY (119) Philadelphia Trans. Amer. Ent. Soc. 32.

Dipsocoridae in place of *Ceratocombiidae*, KIRKALDY (375) Canad. Entomol. 38.

Dufouriellus nom. n. (= *Xylocoris* auctt.) type *ater* Dufour, KIRKALDY (121) Philadelphia Trans. Amer. Ent. Soc.

Euspudaeus funebris (6) f. 5, DISTANT Faun. Brit. Ind. Rhynchota 3.

Henicocephalus; Enderlein's genera (Zool. Anz. 1904) invalid; BERGROTH (6) Entomol. Ztg. Wien 25.—*H. barbatus* Ceylon (323), *aëronauta* Ins. La'ut, *fragrans* Celebes, (324), *bironianus* New Guinea (325), BERGROTH Ann. Hist. nat. Hung. 4, spp. n.—*H. tuberculatus*, correction, BERGROTH (163) Bruxelles Ann. Soc. ent. Belgique 50.

Lippomanus hirsutus (5) f. 4, DISTANT Faun. Brit. Ind. Rhynchota 3.

Odontobrachys niger (7) f. 7, DISTANT T.c.

Ostorodias contubernalis (3) fig. 1, DISTANT T.c.

(N-9720 j)

Pachytarsus crassicornis (9) f. 9, DISTANT T.c.

Sesellius parallelus (7) f. 6, DISTANT T.c.

Triphleps tantillus (8) f. 8, DISTANT T.c.

POLYOTENIDAE.

Eoctenes gen. n. type *Polycetenes spasmae* Wat., KIRKALDY (375) Canad. Entomol. 38.

Euroctenes gen. n. type *Polycetenes lyrae* Wat., KIRKALDY l.c.

Hesperoctenes gen. n. type *P. fumarius* Westw., KIRKALDY l.c.

Polycetenes lyrae (12) f. 10, DISTANT Faun. Brit. Ind. Rhynchota 3.

CAPSIDAE, MIRIDAE.

Ausgewählte Kapitel aus O. M. Reuters „Revisio critica Capsinarum“ als Beitrag zur Biologie und Morphologie der Capsiden ins Deutsche übertragen v. Embr[ik] Strand, überarb. v. Th[eodor] Hübner u. J. Gulde. Stuttgart Jahreshefte Ver. Natk. 62 1906 (263-311).

Synopsis der deutschen Blindwanzen (Hemiptera, heteroptera Fam. *Capsidae*). [ix.] Hübner Stuttgart Jahreshefte Ver. Natk. 62 1906 (201-262).

Redescription of Stål's *Capsidae*; REUTER Helsingfors Öfvers. F. vet. Soc. 47 No. 12 (1-20).

Reuter's classification of *Miroidea*, tables, etc., KIRKALDY (369-376) Canad. Entomol. 33.

Allodapus longicornis Aegyptus, REUTER (12) Helsingfors Öfvers. F. vet. Soc. 47 No. 4, sp. n.

Allocochrus gen. n. near *Deraeocoris*, (5), *rufinervis* sp. n. Cap. B. S. (6), REUTER T.c. No. 21.

Amblytylus lunula neu für Russlands, JAKOVLEV St. Petersburg Hor. Soc. Ent. Ross. 37 (220-246).

Ambrocus capucinus Venezuela, REUTER (30) Helsingfors Öfvers. vet. Soc. 47 No. 19, sp. n.

Aristoreuteria nom. n. for *Episcopus* Reuter, type *ornatus* Reut., KIRKALDY (124) Philadelphia Trans. Amer. Ent. Soc. 32.

Atomoscelis signaticornis (20), *tomentosus* (21), Aegyptus, REUTER Helsingfors Öfvers. F. vet. Soc. 47 No. 4, **spp. n.**

Brachyerauella **gen. n.** for *Capsus viridipunctatus* Stål, REUTER (19) T.c. No. 12.

Callieratides; redescribed, REUTER (4) T.c. No. 5.

Calocorisca aeneoinduta Venezuela, REUTER (19) T.c. No. 19, **sp. n.**

Camptobrochis sinuaticollis Aegyptus, REUTER (9) T.c. No. 4, **sp. n.**—*C. tibialis* Reut. to *Deraeocoris*, REUTER (19) T.c. No. 10.

Campylomma angustula Aegyptus, REUTER (22) T.c. No. 4, **sp. n.**

Ceratocapsus pilosus Venezuela, REUTER (34) T.c. No. 19, **sp. n.**

Charitocoris sanguineonotatus Somalis, REUTER (7) T.c. No. 10, **sp. n.**—*C. rufoplagiatus* Cap. B. S., REUTER (3) T.c. No. 21, **sp. n.**

Chorosomella **gen. n.** near *Teratocoris jakovleffi* **sp. n.** Crimée, HORVÁTH Ann. Hist.-Nat. Hung. 4 (545-546).

Creontiades vittipennis Australia bor. (3), *virescens* Sydney (4), REUTER Helsingfors Öfvers. F. vet. Soc. 47 No. 20, **spp. n.**

Cyphodema perdix Asia minor, HORVÁTH (185) Wien Ann. Nat. Hist. Hofmus. 20, **sp. n.**

Cyrtocapsidea **gen. n.** near *Charagochilus* (25), *nebulosa* Venezuela **sp. n.** (26), REUTER Helsingfors Öfvers. F. vet. Soc. 47 No. 19.

Cyrtorrhinus melanops Cafraria, REUTER T.c. No. 21, **sp. n.**

Deimatostages **gen. n.** (29), *contumax* **sp. n.** Westafrika (31), KUHLGATZ Zool. Anz. 30.

Deraeocoris pallidipennis Abessinien, REUTER (20) Helsingfors Öfvers. F. vet. Soc. 47 No. 10, **sp. n.**—*D. australicus* Cape York, REUTER (7) T.c. No. 20, **sp. n.**

Dicyphus montandoni, neu für Russlands, JAKOVLEV St. Petersburg Hor. Soc. Ent. Ross. 37 (220-246).

Dirhopalia **gen. n.** for *Leptomerochoris antennata* Walk., REUTER (9) Helsingfors Öfvers. F. vet. Soc. 47 No. 5.

Euryceipitia **gen. n.** *Bryocoraria* (3), for *Eccritotarsus splendens* Dist., *distanti* Venezuela **sp. n.** (4), REUTER T.c. No. 19.

Eurygeranella **gen. n.**, *Tuponiae* aff. (25), *geocoriceps* **sp. n.** Aegyptus (26), REUTER T.c. No. 4.

Falconioides **gen. n.** near *Cyllocoris* (32), *concolor* **sp. n.** Venezuela (34), REUTER T.c. No. 19.

Grypocoris melanopygus Asia minor, HORVÁTH (184) Wien Ann. Nat. Hist. Hofmus. 20, **sp. n.**

Hadrophyes sulphurella neu für Russlands, JAKOVLEV St. Petersburg Hor. Soc. Ent. Ross. 37 (220-246).

Helopeltis alluandi Assinien, REUTER (1) Helsingfors Öfvers. F. vet. Soc. 47 No. 10, **sp. n.**—*H. schoutedeni* Congo, REUTER (112) Ent. Mag. London 42, **sp. n.**

Heterocordylus flaviceps, metamorphosis (Japanese), NITOME Konch. Sek. Gifu 10 1906 (19-22).

Histriocoris **gen. n.** for *Capsus incomparabilis* Stål, REUTER (15) Helsingfors Öfvers. F. vet. Soc. 47 No. 12.

Lopus, *Hoplomachus* and *Capsodes*, Synonymie, REUTER Entomol. Ztg. Wien 25 (216).

Hyalosecytus **gen. n.** *Monalonionaria* (1), *elegantulus* **sp. n.** Victoria (2), REUTER Helsingfors Öfvers. F. vet. Soc. 47 No. 5.

Indoelium **gen. n.** for *Megacoelum* div. b. Distant, type *rubricatum* Distant, KIRKALDY (138) Philadelphia Trans. Amer. Ent. Soc. 32.

Leptidolon **gen. n.** (14), *vittipenne* Victoria **sp. n.** (15), REUTER Helsingfors Öfvers. F. vet. Soc. 47 No. 5.

Leptoanthus **gen. n.** *Plagiognatharia* (7), *flavcolus* Svacop **sp. n.** (8), REUTER T.c. No. 21.

Linocorocoris Karsch and *L. cariniventris* redescribed, REUTER (8) T.c. No. 10.

Lygus schoutedeni Abessinien (12), *alluandi* Assinien (13), REUTER T.c. No. 10, **spp. n.**

Macrotylus antennalis Asia minor, HORVÁTH (186) Wien Ann. Nat. Hist. Hofmus. 20, **sp. n.**

Megacoelum longicollis Sierra Leone, REUTER (2) Helsingfors Öfvers. F. vet.

Soc. 47 No. 21, *sp. n.*—*M. sordidum* Aegyptus, REUTER (7) T.c. No. 4, *sp. n.*—*M. schoutedeni* Townsville, REUTER (10) T.c., *sp. n.*

Mimocopellus *nom. n.* for *Lygdlus*, KIRKALDY (374) Canad. Entomol. 1906.

Mimoperideris (subgen. of *Cyllecoris*) *nom. n.* = *Perideris* Fieber, type *marginatus* Fieber, KIRKALDY (129) Philadelphia Trans. Amer. Ent. Soc. 32.

Monalocorisca chrysodasia (8), *nebulosa* (9), Venezuela, REUTER Helsingfors Öfvers. F. vet. Soc. 47 No. 19, *spp. n.*

Neostenotus *gen. n.* (21), *bipunctatus* *sp. n.* (22), REUTER T.c. No. 19.

Niastama *gen. n.* *Capsaria* (11), *punctatocollis* Tasmania *sp. n.* (12), REUTER T.c. No. 5.

Nyctella *gen. n.* *Plagiognatharia* (35), *moerens* *sp. n.* Venezuela (36), REUTER T.c. No. 19.

Odoniella rubra Assinia, REUTER (2) T.c. No. 10, *sp. n.*

Orthotylus spartiicola Syria, REUTER (16) T.c. No. 4, *sp. n.*—*O. roseipennis* Australia bor., REUTER (8) T.c. No. 20, *sp. n.*

Oxacicoris *gen. n.* near *Calocoris*, (5), *bimaculicollis* Erythraea *sp. n.* (6), REUTER T.c. No. 10.

Pameridea *gen. n.* (724), *roridulæ* *sp. n.* Kapland (725); REUTER Zool. Anz. 30.

Pantiliodes tellinii Abessinia, REUTER (3) Helsingfors Öfvers. F. vet. Soc. 47 No. 10, *sp. n.*

Paralygus *gen. n.* type *Horcias plumatus* Dist. (4), *signatiscutis* (5), *simplex* (6), *spp. n.*, Sydney, REUTER T.c. No. 20.

Parantias *gen. n.* *Dicyptharia* (30), *tenuicornis* *sp. n.* Venezuela (32), REUTER T.c. No. 19.

Phytocoris extensus Asia minor (1), *bivittatus* Graecia (2), *albipennis* Palaestina (3), REUTER T.c. No. 4, *spp. n.*—*P. dolichopterus* Cap. B.S., REUTER (1) T.c. No. 21, *sp. n.*

Platycapsus *gen. n.* near *Deraecoris* (11), *acaciae* *sp. n.* Aegyptus (12), REUTER T.c. No. 4.

Pleurochilophorus *gen. n.* near *Megacoeles* (3), *quadripunctatus* *sp. n.* (N-9720 j)

Erythraea (4), REUTER T.c. No. 10. —*Pleurochilophorus* *gen. n.* (Reuter), *quadripunctatus* *sp. n.* Reuter, SCHOUTEDEN (16) Bruxelles Ann. Soc. ent. Belgique 50.

Porphyrodema *gen. n.* *Capsaria*, *flavolineatum* *sp. n.* Queensland, REUTER (3) Helsingfors Öfvers. F. vet. Soc. 47 No. 5.

Poecilosecytus longirostris Massauah, REUTER (14) T.c. No. 10, *sp. n.*

Poecilocapsus sexmaculatus *sp. n.* Texas, BARBER (280) Brooklyn Mus. Bull. 1.

Prepops subg. *n. vide Resthenia.*

Probosciodocoris punctatocollis Erythraea (16), *debilis* Takal (17), *ferrugineus* Assinia (18), REUTER Helsingfors Öfvers. F. vet. Soc. 47 No. 10, *spp. n.*

Psallus brachycerus Asia minor, REUTER (13) Helsingfors Öfvers. F. vet. Soc. 47 No. 4, *sp. n.*—*P. eximius* Victoria, REUTER (12) T.c., *sp. n.*

Pseudopantilius *gen. n.* for *Lopus australis* Walk., REUTER T.c. No. 5.

Pycnoderes (*Arsinotus*) *albicornis* Venezuela, REUTER (5) T.c. No. 19, *sp. n.*

Resthenia meinerti (12), *suturalis* (13), *nannae* (14), *R.* (*Prepops* subg. *n.*) (15), Venezuela, REUTER T.c. No. 19, *spp. n.*

Romna *nom. n.* for *Morna* White, type *capsoides* White, KIRKALDY (141) Philadelphia Trans. Amer. Ent. Soc. 32.

Schistonotellus *nom. n.* for *Schizonotus* Reut., REUTER (32) Helsingfors Öfvers. F. vet. Soc. 47 No. 19.

Sidnia *gen. n.* for *Capsus kinbergi* Stål, REUTER (3) T.c. No. 12.—*S. distinctus* (10), *longipennis* (11), Abessinia, REUTER T.c. No. 10, *spp. n.*

Stenotus fasciatocollis Sierra Leone, REUTER (4) T.c. No. 21, *sp. n.*

Sthenarus pollinosus Asia minor, HORVÁTH (186) Wien Ann. Nat. Hist. Hofmus. 20, *sp. n.*—*S. quercicola* Asia minor, REUTER (23) Helsingfors Öfvers. F. vet. Soc. 47 No. 4 *sp. n.*—*S. leucochilus* Bourbon, REUTER (8) T.c. No. 21, *sp. n.*—*S. australis* Victoria, REUTER (13) T.c. No. 5, *sp. n.*—*S. apicalis* (36), *antennalis* (37), *clavicornis* (38), Venezuela, REUTER T.c. No. 19, *spp. n.*

Systellonotus motelayi Bordeaux, LAMBERTIE (27) Bordeaux Actes Soc. linn. **61**, sp. n.—*S. triguttatus*, relations with *Lasius niger*, Mjöberg Zs. wiss. Insektenbiol. **2** (107–109).

Trichophorella gen. n. *Pilophoraria* (20), *sordidipennis* sp. n. Abessinia (21), REUTER Helsingfors Öfvers. F. vet. Soc. **47** No. 10.

Tuponia brevirostris neu für Russland, JAKOVLEV St. Petersburg Hor. Soc. Ent. Ross. **37** (220–246).

Utopnia torquata ♀, REUTER (20) Helsingfors Öfvers. F. vet. Soc. **47** No. 4.

Xestonotellus gen. n. *Capsaria* (1), *perversus* sp. n. Australia bor. (2), REUTER T.c. No. 20.

(*Chlamydatus longirostris* France, REUTER, Paris, Bul. soc. ent., **1905**, (8–9), sp. n.)

(*Lopistus* nom. n. für *Lopus* Spinola nec Huhn, KIRKALDY, Entomol. Ztg. Wien **24** 1905 (268).)

(*Pseudoloxops* nom. n. für *Loxops* Fieber, KIRKALDY, Entomol. Ztg. Wien **24** 1905 (268).)

(*Reuteroscopus* nom. n. für *Episcopus* Reuter KIRKALDY, Entomol. Ztg. Wien **24** 1905 (268).)

(*Strongylocoris obscurus oberthuri* var. n. REUTER, Paris Bul. soc. ent. **1905**.)

SALDIDAE.

Godefridus Dist., Zugehörigkeit zu *Velopeda*, BERGROTH Entomol. Ztg. Wien **25** (8).

Halovelia amphibia sp. n. Sansibar, BERGROTH T.c. (7).

Leptopus marmoratus neu für Russlands, JAKOVLEV St. Petersburg Hor. Soc. Ent. Ross. **37** (220–246).

Salda bergi Hagl., Identität mit *S. argentina* Bergr., BERGROTH Entomol. Ztg. Wien **25** (7).

Valleriola Dist., Identität mit *Leptopus* Latr., BERGROTH T.c. (8).—*Valleriola* Dist. = (*Leptopus* Bergr. nec Latr.), DISTANT (293) Ann. Mag. Nat. Hist. **18**.

(*Velopeda minor* Java, BREDDIN, Entomol. Ztg. Wien **22** 1903 (248), sp. n.)

HYDROCORISAE.

Nepidae, *Gerridae* and *Nacogaeidae*, catalogue of genera and their types; KIRKALDY Philadelphia Pa. Trans. Amer. ent. Soc. **32** (153–156).

British Waterbugs, annotated list, notes on habits, KIRKALDY Entomologist 1906 (60 etc.).

Cryptocerate Hemiptera of America, list; BUENO Washington D.C. Proc. Ent. Soc. **8** (45–58).

Ways of progression in water bugs, BUENO Ent. News **17** (1–4)

13 new species of hemipterous water insects, described and figured; MARSUMURA Sapporo Journal of Sapporo Agricultural College **2** 1905 (53–65) pl.

Anisops breddini Kirkaldy sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. **24** (103).—*A. fieberi* nom. n. Kirkaldy für *nirea* Fieb., BREDDIN Halle Abh. natf. Ges. **24** (103).—*A. sardea* (45) f. 27, Distant Faun. Brit. Ind. Rhynchota **3**.—*Anisops kirkaldyanus* nom. n. für *edepol* Kirk., BERGROTH Entomol. Ztg. Wien **25** (12).

Belostoma fluminea, life-history, BUENO (189–197) Canad. Entomol. **38**.—*B. indicum* (38) f. 24, Distant Faun. Brit. Ind. Rhynchota **3**.

Cercotmetus fumosus (23) f. 15, DISTANT T.c.

Cheirochela feana (26) f. 16, DISTANT T.c.

Corixa; copula and oviposition; HEWITT (89, 90) London Trans. ent. Soc. 1906.—*C. hieroglyphica* (49) f. 29, Distant Faun. Brit. Ind. Rhynchota **3**.—†*C. florissantella* Colorado, COCKERELL (209) Canad. Entomol. **38**, sp. n.

Otenipocoris asiaticus (32) f. 20, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Diaphorocoris punctatissimus (28) f. 18, DISTANT T.c.

Enithares indica (42) f. 26, DISTANT T.c.

Gestroiella limnocoroides (27) f. 17, DISTANT T.c.

Heleocoris, the type; *H. strabus* (29) f. 19, DISTANT T.c.

Laccotrephes robustus (18) f. 13, DISTANT T.c.

†*Mesocorixa* gen. n. for *Silpha tenuilythris* Weyenb., HANDLIRSCH (639) Fossil. Ins.

†*Mesonepa* gen. n. for *Nepa primordialis* Germ. and *minor* sp. n. Bayern Kalk, HANDLIRSCH (637) T.c.

Micronecta striata (50) f. 30, DISTANT Faun. Brit. Ind. Rhynchota 3.

Mononyx serratus (15) f. 12, DISTANT T.c.

Nectocoris stali (35) f. 22, DISTANT T.c.

Nepa cinerea, copula, HEWITT (87–89) ent. London Trans. ent. Soc. 1906.

Notonecta montandoni (41) f. 25, DISTANT Faun. Brit. Ind. Rhynchota 3.

†*Notonectites* gen. n. for *Notonecta elterleini* Deichm., HANDLIRSCH (639) Fossil. ins.

Pelagonus marginatus (14) f. 10, DISTANT Faun. Brit. Ind. Rhynchota 3.

Plea minutissima (= *leachi* Kirk.), *liturata* f. 28, (47), *pallescens* Calcutta sp. n. (48); DISTANT T.c.

Ranatra quadridentata life-history, BUENO (242–252) Canad. Entomol. 38.—*R. elongata* (20) f. 14, DISTANT Faun. Brit. Ind. Rhynchota 3.

Sphaerodema rusticum (36) f. 23, DISTANT T.c.

Thursellinus greeni (33) f. 21, DISTANT T.c.

(*Micronecta annae*, *erato*, *memonides*, *thelxines*, *vanduzeei*, Philippines, Ceylon, and Australia, KIRKALDY, G. W. Ent. News, Philadelphia, Pa., 16, 1905, (260–263), n. spp.)

INCERTAE SEDIS. Fossil *Heteroptera*.

The following new *Heteroptera* are described by HANDLIRSCH from the Lias.

†*Archegocimex* gen. n. *Archegocimicidae* fam. n. near *Pentatomidae*, *geinitzi* sp. n. Lias Mecklenburg, (493) Fossil. Ins.

†*Aphleboris* gen. n. *Aphleboridae* fam. n. for *Pachymeridium dubium* Gein., (495) T.c.

†*Eocimex* gen. n. *Eocimicidae* fam. n., *liasinus* sp. n. Lias Mecklenburg, (494) T.c.

†*Pachymeridiidae* fam. n. for *Pachymeridium dubium* Gein., (495) T.c.

†*Progonocimex* gen. n. *Progonocimicidae* fam. n., *jurassicus* sp. n. Lias Mecklenburg, (494) T.c.

†*Protocoridae* fam. n. for *Protocoris* Heer, (495) T.c.

The following are from Jurassic strata.

†*Copidopus* gen. n. *jurassicus* sp. n. Bayern Kalk, HANDLIRSCH (635) Fossil. ins.

†*Anacloptera* gen. n. for *Cerepidium trigonale* Gieb., (640) T.c.

†*Dimeropterum* gen. n., *westwoodi* sp. n. Purbeck England, (636) T.c.

†*Seylacoris* gen. n. for *Lygaeites furcatus* Gieb., (636) T.c.

Homoptera.

Verzeichnis der palaearctischen Hemipteren mit besonderer Berücksichtigung ihrer Vertheilung im Russischen Reiche. II. Band. Homoptera. 1. Lief. OSHANIN St. Peterburg Ann. Mus. Zool. Ac. Sc. 11 1906 Beilage (1–192).

CICADIDAE.

Catalogue of the *Cicadidae* of the world, with synopses of the subfamilies and genera, DISTANT, 10.

Cicadidae of British India, classification and terms; DISTANT (55–57) Faun. Brit. Rhynchota 3.

Cicadidae of Transvaal, DISTANT (183–180) pl. xvii Ins. transvaal.

Abroma maculicollis (165) f. 73, *bengalensis* sp. n. India (165), DISTANT Faun. Brit. Ind. Rhynchota 3.

Angamiana aethera (73) f. 37, DISTANT T.c.

Aola bindusara (116) f. 50, DISTANT T.c.

Balanta octonotata (149) f. 65, DISTANT T.c.

Basa singularis (144) f. 63, DISTANT T.c.

Birrima gen. n. *Melampsaltaria*, *montrouzieri* sp. n. New S. Wales, DISTANT (388) Ann. Mag. Nat. Hist. 17.

Burbunga hillieri S. Australia, DISTANT (154) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Calcagninus picturatus (137) f. 59, DISTANT Faun. Brit. Ind. Rhynchota 3.

Callipsaltria longula pl. xvi f. 1, *elongata* f. 6, DISTANT (178) Ins. transvaal.

Carineta cearana Brazil, DISTANT (153) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Cicada tibicen, *pruinosa*, *canicularis*, distinguished, DAVIS and JOUTEL, Ent. News 17 (237-239).—*C. erratica* (497), *delicata* (498), Louisiana, OSBORN Ohio Nat. 6, spp. n.—*C. tibicen* and allies, *C. fulvula* sp. n. N. America, OSBORN (322) Ent. News 17.—*C. erratica*, NEWELL Washington Bull. U.S. Dept. Agric. Bur. Ent. No. 60 (52-58).—*C. toradja* sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (109).

Cicadatra sankana (133) f. 57, DISTANT Faun. Brit. Ind. Rhynchota 3.—*C. raja* N. W. India, DISTANT (184) Ann. Mag. Nat. Hist. ser. 7 17, sp. n.

Coata gen. n. *Tettigadesaria* (30), *facialis* sp. n. Ecuador (31); DISTANT Op. cit. 18.

Collina obesa (hab ?), DISTANT (384) Op. cit. 17, sp. n.

Cosmopsaltria vomerigera, *multisignata*, *ornaticeps*, spp. n., Celebes, BREDDIN Halle Abh. natf. Ges. 24 (105-107).—*C. oopaga* (97) f. 45, DISTANT Faun. Brit. Ind. Rhynchota 3.

Cryptotympana corvus (81) f. 41, DISTANT T.c.—*C. sulucensis* Sulu Arch., DISTANT (148) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.

Cyclochila virens Queensland, DISTANT (148) Entomologist 1906, sp. n.

Dokuma consobrina Philippines, DISTANT (182) Ann. Mag. Nat. Hist. 17, sp. n.

Drepanopsaltria gen. n., BREDDIN Halle Abh. natf. Ges. 24 (113).

Dundubia mannifera (95) f. 44, DISTANT Faun. Brit. Ind. Rhynchota 3.

Emathia aegrota (124) f. 54, DISTANT T.c.

Gaeana maculata var. *consors* (145) f. 64, DISTANT T.c.

Gazuma pretoriae pl. xvi f. 4, DISTANT (179) Ins. transvaal,

Gudaba gen. n. (138) for *Calcagninus marginatus* Dist. (139) f. 60, DISTANT Faun. Brit. Ind. Rhynchota 3.—*G. apicata* Cochlin China, DISTANT (149) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.—*Graptotettix guttatus* (156) f. 68, DISTANT Faun. Brit. Ind. Rhynchota 3.

†*Griphologus* gen. n. of doubtful position, but not *Cicadidae* for *Cicada lowei* Etheridge & Olliff, HANDLIRSON (405) Fossil. Ins.

Haphsa meeki New Guinea, DISTANT (149) Bruxelles Ann. Soc. ent. Belgique 50, sp. n.—*H. nicomacke* (99) f. 46, DISTANT Faun. Brit. Ind. Rhynchota 3.

Hea gen. n. *Tibiceninae* (121), *fasciata* sp. n. China (122) with fig.; DISTANT Entomologist 1906.

Huechys sanguinea (157) f. 69, DISTANT Faun. Brit. Ind. Rhynchota 3.—*H. eos* sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (111).

Karenia ravidia (161) f. 71, DISTANT Faun. Brit. Ind. Rhynchota 3.

Khimbya evanescens (140) f. 61, DISTANT T.c.

Kobonga gen. n. type *Cicada umbri-margo* Walk., DISTANT (387) Ann. Mag. Nat. Hist. 17.

Kumanga sandaracata (170) f. 77, DISTANT Faun. Brit. Ind. Rhynchota 3.

Lahngada dohertyi (121) f. 53, DISTANT T.c.

Leptopsaltria tuberosa (90) f. 42, DISTANT T.c.—*L. celebensis* sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (103).

Lemuriana sirius (175) f. 2, DISTANT Ins. transvaal.—*L. apicalis* (167) f. 74, DISTANT Faun. Brit. Ind. Rhynchota 3.

Lethama locusta (142) f. 62, DISTANT T.c.

†*Lithocicada* gen. n., *perita* sp. n. Florissant, COCKERELL (457), New York Bull. Amer. Mus. Nat. Hist. 22.

Majeoroma lutea Brazil?, DISTANT (185) Ann. Mag. Nat. Hist. 17, sp. n.

Mapondera pulchella pl. xvi f. 20, DISTANT (178) Ins. transvaal.

Mata gen. n. (119), for *Pomponia kama* (120) f. 52, DISTANT Faun. Brit. Ind. Rhynchota 3.

Meimuna tripurasura (107) f. 48, DISTANT T.c.

Melampsalta germaini New Caledonia, DISTANT (387) Ann. Mag. Nat. Hist. **17**, sp. n.—*M. continuata* f. 78, *literata* f. 79, (173), DISTANT Faun. Brit. Ind. Rhynchota **3**.—*M. leucoptera* pl. xvi f. 22, DISTANT (179) Ins. transvaal.

Mendozana gen. n. near *Chonosia* (152), *platypleura* sp. n. Argentina (153), DISTANT Bruxelles Ann. Soc. ent. Belgique **50**.

Mogannia bidentata Borneo, DISTANT (152) T.c., sp. n.—*M. effecta* (153) f. 67, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Munza furva pl. xvii f. 2, *basinacula* f. 3, DISTANT (171) Ins. transvaal.

Odopoea venturii Argentina, DISTANT (151) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Oncotympana obnubila (118) f. 51, DISTANT Faun. Brit. Ind. Rhynchota **3**.—*O. mahoni* N. W. India, DISTANT (183) Ann. Mag. Nat. Hist. **17**, sp. n.

Paharia lacteipennis (163) f. 72, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Panka simulata (168) f. 75, DISTANT T.c.

Panropsalta exequata (174) f. 80, DISTANT T.c.

Platylomia umbrata (104) f. 47, DISTANT T.c.

Platypleura polita (61) f. 33, *watsoni* (63) f. 34, *nobilis* (69) f. 35, DISTANT T.c.—*P. quadratocollis* pl. xvii f. 9, *brevis* f. 4, *marshalli* f. 7, *stridula* var. *capensis* f. 8, (172), *murchisoni* f. 14, *hirta* f. 10, *divisa* f. 13, *haglundii* f. 6, (173), *deusta* f. 11 (174), DISTANT Ins. transvaal.

Polymeura ducaalis (74) f. 38, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Pomponia intermedia (113) f. 49, DISTANT T.c.

Proarna inconspicua Argentina, DISTANT (150) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.

Purana tigrina (92) f. 43, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Pyena semiclara (174) pl. xvii f. 5, *sylvia* (175) f. 12, DISTANT Ins. transvaal.—*P. repanda* (72) f. 36, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Quintilia subvitta (169) f. 76, DISTANT T.c.—*Q. carinata* (175) pl. xvi f. 23, *maculiventris* (176) f. 24, DISTANT Ins. transvaal.

Rihana operculissima Mexico, *digueti* Lower California, DISTANT (156) Ann. Mag. Nat. Hist. **17**, spp. n.

Rustia dentivitta (125) f. 55, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Sawda? vitiensis Fiji, DISTANT (12) Entomologist London **29**, sp. n.

Scieroptera splendidula (159) f. 70, DISTANT Faun. Brit. Ind. Rhynchota **3**.—*S. sarasinorum* sp. n. Celebes, BREDDIN Halle Abb. natf. Ges. **24** (112)

Sena querula (137) f. 58, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Stagira viridula pl. xvi f. 21, DISTANT (178) Ins. transvaal.

Talainga binghami (151) f. 66, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Taipinga nigricans pl. xvi f. 5, *conso-brina* f. 19, *fuscata* f. 3, DISTANT (177) Ins. transvaal.—*T. fuscata*, *consobrina*, Transvaal, DISTANT (386) Ann. Mag. Nat. Hist. **17**, spp. n.

Tanna insignis Java (157), *pallida* Borneo (158); DISTANT T.c., spp. n.

Terpnosia pscas (126) f. 56, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Tettigades varivenosa Argentina, DISTANT (152) Bruxelles Ann. Soc. ent. Belgique **50**, sp. n.—*T. ulnaria* Chili, DISTANT (64) Entomologist London 1906, sp. n.—*T. lebruni* Patagonia, DISTANT (385) Ann. Mag. Nat. Hist. **17**, sp. n.

Tibicen septendecim, MARLATT Washington D.C. Circ. U. S. Dept. Agric. Bur. Ent. No. **74** 1906 (1-5).

Tosena mearesiana (75) f. 39, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Ucana maculata New Caledonia, DISTANT (385) Ann. Mag. Nat. Hist. **17**, sp. n.

Zouga gen. n. near *Psilotympana*, *typica* sp. n. Transvaal pl. xvi f. 18, DISTANT (176) Ins. transvaal.

(*Cicada townsendii* Arizona and New Mexico UHLER, Ent. News **16** 1905 (74-77, sp. n.)

(*Dundubia spiculata* NOUALHIER, Mission Pavie **3**, sp. n.)

(*Gacana paviei* NOUALHIER, T.c.)

(*Mogannia saucia* NOUALHIER, T.c. sp. n.)

(*Platypleura arminops* NOUALHIER, T.c. sp. n.)

FULGORIDAE.

Monograph of *Issides*; MELICHAR
Wien Abh. Zool. Bot. Ges. **3** Heft 4
(1-327) 75 figs.

Leaf-hoppers and their natural
enemies, PERKINS Honolulu exp. Stat.
Bull. **1** (i-xxxii).

Leaf-hoppers and their natural
enemies. Pt. 9. KIRKALDY Honolulu
Exp. Stat. Bull. **1** 1906 (269-479)
plates xxi-xxxiii.

Aemonia fiebrigi, Paraguay, *crowleyi*
Brazil; DISTANT (201) Ann. Mag. Nat.
Hist. **18**, spp. n.

Acrisius muscarius Germ. (as *Issus*)
(= *Cadrela nigronevosa* Sign.) (223);
A. fasciatus Brasilien (224), *inornatus*
Peru (225), spp. n.; MELICHAR Wien
Abh. Zool. Bot. Ges. **3** Heft 4.

Acrometopus subfasciatus Dahomey,
semiglobularis Delagoa-Bai, spp. n.,
MELICHAR T.c. (239).

Alaruasa gen. n. type *Poiocera lepida*
Spin., DISTANT (199) Ann. Mag. Nat.
Hist. **18**.

Alcathous facialis (197) f. 85, DIS-
TANT Faun. Brit. Ind. Rhynchota **3**.

Alphina friji Brazil, DISTANT (194)
Ann. Mag. Nat. Hist. **18**, sp. n.

Aluntia ramosa (241) f. 105, DIS-
TANT Faun. Brit. Ind. Rhynchota **3**.

Amnisa verticalis Brazil, MELICHAR
(257) Wien Abh. Zool. bot. Ges. **3** Heft
4, sp. n.

Anaya gen. n. type *Platoides meso-
chlora* Walk. fig. 239 (447); *spectra*
sp. n. Andaman islands (448); DISTANT
Faun. Brit. Ind. Rhynchota **3**.

Ancyra appendiculata (225) f. 91
DISTANT T.c.

Aneophora torrilu Walk. (as *Aphaena*)
= (*olivacea* Schmidt); DISTANT (192);
Ann. Mag. Nat. Hist. **18**.

Aneipo gen. n. *Achilidae*, *diva* sp. n.
Queensland, KIRKALDY (325) Honolulu
Exp. Stat. Bull. **1**.

Anggira gen. n. *Phromniaria*, *typica*
sp. n. South India fig. 207, DISTANT
(403) Faun. Brit. Ind. Rhynchota **3**.

Anila gen. n. *Cixiinae*, (260), *culi-
ginosa* sp. n. Burma (261); DISTANT
T.c.

Aphaena tullia sp. n. Celebes,
BREDDIN Halle Abh. natf. Ges. **24**
(133).

Aphana atomaria (203) f. 88, DISTANT
Faun. Brit. Ind. Rhynchota **3**.

Aphanophantia gen. n. near *Gyaria*
(458), *cuscuticida* sp. n. Sydney (459),
KIRKALDY Honolulu Exp. Stat. Bull. **1**.

Aphanophrys cf. *Varcia*.

Aphelonema simplex Uhler, Umänd-
erung in *Peltonotellus*, MELICHAR Wien
Abh. ZoolBot. Ges. **3** Heft 4 (34).

Aphrodisias nom. n. for *Compsoptera*
Stål, KIRKALDY (248) Entomologist 1906.

Argelusa gen. n. near *Francesca*,
kuranlue sp. n. Queensland, KIRKALDY
(423) Honolulu Exp. Stat. Bull. **1**.

Aristyllis gen. n. *Achilidae* (418),
aristyllis, *omphale*, (419), *adippe* (420),
spp. n., Queensland, KIRKALDY T.c.

Aspidonitys bipunctata (200), *taeniata*
(202), Kongo, spp. n., SCHMIDT Stettiner
ent. Ztg. **67**.—*A. admirabilis* Brit. E.
Africa, DISTANT (205) Ann. Nat. Hist. **18**,
sp. n.

Astorgia gen. n. *Dictyophorinae*, *sac-
charicida* sp. n. Queensland, KIRKALDY
(395) Honolulu Exp. Stat. Bull. **1**.

Astracis indica (450) f. 240, *emer-
soniana* (= *latifasciata* Mel.) (452) f. 241,
perplexa (455) f. 244, *fimbria* (457)
f. 247; *consanguinea* Ceylon (453)
f. 242, *moelleri* (454) f. 243, *himalayana*
(455), North India, *insularis* Andaman
islands (458), spp. n.; DISTANT Faun.
Brit. Ind. Rhynchota **3**.

Augila binghami Tenasserim, DISTANT
336) f. 168 T.c., sp. n.

Barma gen. n. *Cixiinae*, *diversa* sp. n.
Tenasserim f. 121; including also *Cixius*
fuutus Walk.; DISTANT (266) T.c.

Baruma gen. n. (283), *albosipecta*
sp. n. (284) f. 133, DISTANT T.c.

Basileocephalus gen. n. *Derbidae*,
thuumatonotus sp. n. Queensland,
KIRKALDY (429) Honolulu Exp. Stat.
Bull. **1**.

Benella gen. n. *Achilidae*, *aliena*
sp. n. Sydney, KIRKALDY (420) T.c.

Bergiella gen. n. (40), *nigra* Buenos
Aires sp. n. (41), MELICHAR Wien Abh.
ZoolBot. Ges. **3** Heft 4.

Bisma **gen. n.** *Lophopinae* (322), *greeni* **sp. n.** Ceylon (323) f. 158; DISTANT Faun. Brit. Ind. Rhynchota 3.

Bochana **gen. n.** type *Phalaenomorpha parva* Kirby, fig. 251 (463), *nebulosa* **sp. n.** Ceylon (464) f. 252; DISTANT T.c.

Brachyiceps **nom. n.** for *Brachycephalus* Sign., KIRKALDY (248) Entomologist 1906.

Brahmaloka **gen. n.** *Issinae*, *bowringi* **sp. n.** Assam fig. 170, DISTANT (337) Faun. Brit. Ind. Rhynchota 3.

Brixia tortriciformis f. 124; *albomaculata* (271), *flavomaculata* (272), **spp. n.**, India, DISTANT T.c.

Brixioides carinatus (328) f. 162, DISTANT T.c.

Bruchomorpha globosa Nordamerika, *suturalis* Colorado and Texas, **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (24).

Bruchoscelis **gen. n.** für *Caliscelis peculiaris* Horv.; MELICHAR T.c. (26).

Bythopsyrna circulata (412) f. 213, DISTANT Faun. Brit. Ind. Rhynchota 3.

Calamister **gen. n.** *Cixiinae* (402), *obscurus* **sp. n.** Queensland (403), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Caliscelis eximia (324) f. 167, DISTANT Faun. Brit. Ind. Rhynchota 3.—*C. chinensis* **sp. n.** China, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (16).

Calypsopterus confusus Guatemala (195), *coloratus* (196), *fuscipennis* (197), Ecuador; DISTANT Ann. Mag. Nat. Hist. 18, **spp. n.**

Capelopterum **gen. n.** *bimaculatum* Neu Guinea (212), *dohrni* Soekarauda (211), *punctatellum* Salomons-Inseln (212), *torpidum* Balabac (213), **spp. n.**, und *Hysteropterum informe*, *scellatum* und *spissum*, MELICHAR Wien Abh. ZoolBot. Ges. 3, Heft 4.

Carolus **gen. n.** near *Cixius crispus* **sp. n.** Sydney, KIRKALDY (401) Honolulu Exp. Stat. Bull. 1.

Cathedra Kirk. = (*Pristiopsis* Schmidt), KIRKALDY (155) Canad. Ent. 38; *Cathedra* Kirk. = (*Pristiopsis* Schmidt), DISTANT (20) Ann. Mag. Nat. Hist. 18.

Centromeria spilinea (250) f. 110; *cephalica* Nilgiri hills (251), *simulata* Assam (252), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota 3.

Cerynia maria (409) f. 210, DISTANT T.c.

Chaturbujia **gen. n.** (405) type *Pocilloptera comma* Walk. (406) f. 209; DISTANT T.c.

† *Cixiites* **gen. n.** (498), *liasinus* **sp. n.** Lias Mecklenburg (499), HANDLIRSCH Fossil. Ins.

† *Cixioides* **gen. n.** for *Cixia maculata* Gieb., HANDLIRSCH (640) T.c.

Cixius pilifer (260) f. 115, DISTANT Faun. Brit. Ind. Rhynchota 3.—*C. flavissima* Walk. cf. *Magadha*.—*C. dotatus* cf. *Mundopa*; *C. finitus* cf. *Barma*.

Cladipha boliviana S. America, DISTANT (349) Ann. Mag. Nat. Hist. 18, **sp. n.**

Colobesthes falcata (424) f. 222, DISTANT Faun. Brit. Ind. Rhynchota 3, *C. marginata* cf. *Daksha*.

Compsoptera cf. *Aphrodisias*.

Conosimus angustipennis **sp. n.** Argentinien, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (109).

Copidocephala St. = (*Coanaco* Dist.), KIRKALDY (248), Entomologist 1906.—*C. (Coanaco* Dist.); *C. merula* Colombia **sp. n.**; DISTANT (23) Ann. Mag. Nat. Hist. 18.

Copsyrna = (*Paramelicharia* Kirk.) (409), *maculata* (410) f. 211, DISTANT Faun. Brit. Ind. Rhynchota 3.

Corethrura fuscovaria (322) f. 157, DISTANT Faun. Brit. Ind. Rhynchota 3.

Cryptoflata guttularis (435) f. 229, DISTANT T.c.

Cynthila cf. *Prolepta*.

Cyrene guttulata Westw., *inermis* Stål, *mucronata* Stål, *telifera* Walk., *foliacea* Stål, transferred to *Tonga*, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (252).

Cythna **gen. n.** *Achilidae*, *laon* **sp. n.** Queensland, KIRKALDY (423) Honolulu Exp. Stat. Bull. 1.

Daksha **gen. n.** type *Colobesthes marginata* Walk. fig. 223, DISTANT (425) Faun. Brit. Ind. Rhynchota 3.

Danavara **gen. n.** (404) type *Pocilloptera tennentina* (405) fig. 208; DISTANT T.c.

Danepteryx lurida sp. n. Kalifornien, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (175).

Dardus immaculatus sp. n. Queensland, KIRKALDY (446) Honolulu Exp. Stat. Bull. 1.

Delia gen. n., *deserta* sp. n. Samatra, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (265).

Delphacissa subg. n. of *Delphacodes*, type *uncinata*, KIRKALDY (155) Canad. Entomol. 38.

Delphacodes cf. *Delphacissa*; *D. melichari* nom. n. for *Liburnia fumipennis* Mel., *annae* nom. n. for *Delphax concinna* Fieb., *taprobanensis* nom. n. for *L. pallidula* Mel., *sinulatus* nom. n. for *L. frontalis* Mel., *kahavalu* nom. n. for *Delphax venosus* Motsch., KIRKALDY (156) Canad. Entomol. 38.

Delphax conventzi sp. n. Deutschland, MATSUMURA (80) Danzig Schr. natf. Ges. 11.

Derbe carnosa Westw. cf. *Drona*.

Detya gen. n. *Nogodinaria* (387), *fusconebulosa* sp. n. Tenasserim (388) f. 199; DISTANT Faun. Brit. Ind. Rhynchota 3.

Devadanda gen. n. *Derbinae* (315), *pectinata* sp. n. Tenasserim (316); DISTANT Faun. Brit. Ind. Rhynchota 3.

Devagama gen. n. *Issinae* (347), *rana* fig. 178, *venosa*, spp. n., India, (348); DISTANT T.c.

Diareusa conspersa sp. n. Ecuador, SCHMIDT (375) Stettiner ent. Ztg. 67.

Dichoptera hyalinata (238) f. 103, DISTANT Faun. Brit. Ind. Rhynchota 3.—*D. strigivitta* Walk. = (*nubila* Dist.); DISTANT (349) Ann. Mag. Nat. Hist. 18.

Dictyophara; synonymy (350–353); *D. concolor* Walk. hab. is N. Australia (352); *D. atbarae* Abyssinia, *dixonii*, *cunningi*, India, (351), *prognatha* Queensland (352), spp. n.; DISTANT T.c.—*D. nilgiriensis* India (242) sp. n.; *lineata* (245) f. 106; DISTANT Faun. Brit. Ind. Rhynchota 3.

Dictyopharina viridissima (253) f. 111; *consanguinea* sp. n. Burma (253); DISTANT T.c.

Dictyssa areolata, *clathrata* (164), *fusca* (163), *marginipunctata* (164),

mutata (165), spp. n., Kalifornien, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4.

Drona gen. n. type *Derbe carnosa* Westw. (305) f. 146, *pennata* sp. n. Tenasserim (306); DISTANT Faun. Brit. Ind. Rhynchota 3.

Druentia = (*Pyrgoteles* Gerst.), *D. variegata* = (*Enchophora sicca* Walk. = *Belbina sicca* Stål = *P. cristatus* Karsch); DISTANT (21) Ann. Mag. Nat. Hist. 18.

Duriopsis gen. n. für *Durium costale*, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (243).

Durium cafferum Stål, Umänderung in *Aerometopus*, MELICHAR T.c. (240).

Duroides gen. n. (241), *costatus*, *globofus*, *planifrons*, spp. n., Südamerika, (242), MELICHAR T.c.

Echetra Walk. = *Rhonicia* Stål = *Amilavaca* Dist.); DISTANT (193) Ann. Mag. Nat. Hist. 18.

Ectopiopterygodelphax gen. n. *Asiracidae*, *eximius* sp. n. Queensland, KIRKALDY (412) Honolulu Exp. Stat. Bull. 1.

Ecuadoria gen. n. near *Euhydrya* (21), *dichopteroides* sp. n. Ecuador (22); DISTANT Ann. Mag. Nat. Hist. 18.

Eddara Walk. = (*Glagovia* Stål) : *E. catenaria* sp. n. E. Africa; DISTANT (30) Ann. Mag. Nat. Hist. 18.

Elasmoscelis platypoda (318) f. 155, DISTANT Faun. Brit. Ind. Rhynchota 3, *E. radians* cf. *Pitambara*.

Enchophora nigromaculata Bolivia, DISTANT (23) Ann. Mag. Nat. Hist. 18, sp. n.

Engela gen. n. (415), for *E. minuta* sp. n. South Africa (416), DISTANT Cape Town Trans. S. Afric. Phil. Soc. 16 (415).

Enipeus cribratus Cayenne, *gibbifrons*, *notatus*, Brasilien, spp. n., MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (260).

Epitemna lacteoplaga sp. n. Kongo, SCHMIDT (203) Stettiner ent. Ztg. 67.

Epithalamium gen. n. near *Armacia*, *aziola* sp. n. Sydney, KIRKALDY (451) Honolulu Exp. Stat. Bull. 1.

Epora subtilis Walk. nec. Melichar (283) f. 132; *melichari* sp. n. for *subtilis*

Mel. (285); DISTANT Faun. Brit. Ind. Rhynchota 3.

Erana cf. *Vinata*.

Erilla **gen. n.** near *Birdantis*, *turneri* **sp. n.** Queensland; DISTANT (28) Ann. Mag. Nat. Hist. 18.

Eriphyle longifrons Stål, *E. paradoxa*, Umänderung in *Trienopa*, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (229).

Eucameruna **gen. n.**, *granulosa* **sp. n.** Gabun, MELICHAR T.c. (248).

Eumelicharia **nom. n.** for *Walkeria* Mel., KIRKALDY (156) Canad. Entomol. 38.

Euphria aurantia (208) f. 90; *apicata* Sikkim (209), *consanguinea*, *burmanica*, *relata*, India, (210), *dissimilis* Tenasserim (211), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota 3.—*E. najas* (191), *nigrotibiata* (189), Tonkin, **spp. n.**, SCHMIDT Stettiner ent. Ztg 67.

Euricania ocellus (385) f. 197, DISTANT Faun. Brit. Ind. Rhynchota 3.

Eurinopsyche **gen. n.** for *Fulgora obscurata* Fabr., KIRKALDY (389) Honolulu Exp. Stat. Bull. 1.

Euronotobrachys **gen. n.** near *Olonia*, *arcuata* (446), *plana* (447), Queensland, **spp. n.**, KIRKALDY T.c.

Eurybrachys lepelletieri (220) f. 94; *E. manifesta* **sp. n.** Nilgiri hills (221); DISTANT Faun. Brit. Ind. Rhynchota 3.

Eurynomeus **gen. n.** near *Phrygia*, *australiae* **sp. n.** Queensland, KIRKALDY (422) Honolulu Exp. Stat. Bull. 1.

Euryphantia **gen. n.** *Ricaniinae*, *cinerascens* **sp. n.** Queensland, KIRKALDY (456) T.c.

Eurystheus perkinsi **sp. n.** Queensland, KIRKALDY (389) T.c.—*E. doddi*, *clementi*, (19), *palleseens* (20), W. Australia, DISTANT Ann. Mag. Nat. Hist. 18, **spp. n.**

Eutropistidae fam. n.? for *Tropiduchida* Stål, KIRKALDY (413) Honolulu Exp. Stat. Bull. 1.

Farona fuscipennis (445) f. 237, DISTANT Faun. Brit. Ind. Rhynchota 3.

Faventia pustulata (287) f. 135, DISTANT T.c.

Flata ocellata (428) f. 225, DISTANT T.c.

Flatoides mesochlora cf. *Anaya*.

Flavina granulata f. 185; *F. ? striata* Tenasserim **sp. n.** (357); DISTANT Faun. Brit. Ind. Rhynchota 3.

Francesca **gen. n.** *Achilidae*, *salemionophila* **sp. n.** Queensland, KIRKALDY (424) Honolulu Exp. Stat. Bull. 1.

Frutis pulchra (235) f. 101, DISTANT Faun. Brit. Ind. Rhynchota 3.

Fulgora candelaria (184) f. 82, *rogersi* **sp. n.** Nicobar islds. (190), *clavata* (191) f. 83; DISTANT T.c.

†*Fulgoridium* **gen. n.** (496), *pallidum*, *venosum*, *germanicum*, (497), *latum*, *liadis*, *lapideum*, (498), **spp. n.**, Lias Mecklenburg, HANDLIRSCH Fossil. Ins.

Gaetulia nigrovenosa (394) f. 203, DISTANT Faun. Brit. Ind. Rhynchota 3.

Gaja **gen. n.**, *definitiva* fig. 248 (460), *facialis* (462) f. 250, **spp. n.**, Ceylon, and including *Phalaenomorpha inconspicua* Kirby (461) f. 249; DISTANT T.c.

Galela **gen. n.** near *Birdantis* (26), *abdominalis*, *parva*, **spp. n.**, Australia, (27); DISTANT Ann. Mag. Nat. Hist. 18.

Gamergomorphus **gen. n.**, *angustipennis* **sp. n.** Kapland, MELICHAR Wien Abh. zool.-bot. Ges. 3 Heft 4 (175).

Gamergus africanus Transvaal, *sinuatifennis* Kapland, **spp. n.**, MELICHAR T.c. (173).

Gebenna sylvia (215) f. 92, DISTANT Faun. Brit. India Rhynchota 3.

Gelastissus **gen. n.** near *Peltonotellus*, *albolineatus*, (441), *histrionicus*, *suffusus*, (442), Queensland, **spp. n.**, KIRKALDY Honolulu Exp. Stat. Bull. 1.

Gelastocephalus **gen. n.** *Cixiinae*, *ornithoides* **sp. n.** Sydney, KIRKALDY (402) T.c.

Gelastodelphax **gen. n.** near *Peregrinus*, *histrionicus* **sp. n.** Queensland, KIRKALDY (411) T.c.

Gelastopsis **gen. n.** *Eurybrachinae* (447), *insignis* **sp. n.** Queensland (448), KIRKALDY T.c.

Gelastyra decipiens Perak, *diversa* Tenasserim, *latifrons* Sumatra, **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (264).—*G. spectans* Walk. (as *Issus*) = (*Cibyra testudinaria* Stål.), MELICHAR (263) T.c.

Gergithus carbonarius (65) Yokohama, *cribratus* (64) Ceylon, *gravidus* (61) Tonkin, *ignotus* (66) Pegu, *lineolatus* (60) Sumatra, *pigraus* Key-Insel, *rugulosus* Perak, (64), *signatiformis* (60), Sumatra, *vidulus* (62) Sudafrika, **spp. n.**, MELICHAR T.c.

Givaka **gen. n.** *Issinae* (344), *hampsoni* **sp. n.** Nilgiri hills (345) f. 175; DISTANT Faun. Brit. Ind. Rhynchota 3.

Gomeda **gen. n.** (443) for *Phalaenomorpha abdominalis* Kirby (444) f. 236; DISTANT T.c.

Hadeodelphax **gen. n.** near *Stenocercus*, *pluto* **sp. n.** Queensland, KIRKALDY (410) Honolulu Exp. Stat. Bull. 1.

Hansenia glauca (411) f. 212, DISTANT Faun. Brit. Ind. Rhynchota 3.

Hasta **gen. n.** *Dictyophorinae*, *hastata*, (394), *paupera* (395), **spp. n.**, Queensland, KIRKALDY Honolulu Exp. Stat. Bull. 1.

Heinsenian **gen. n.** (245), *cribrifrons* (246) Usambara, *fatua* Ost-afrika *laevifrons*, Sansibar, *nigrovenosa* Ost-afrika, (247), **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4.

Hemisphaerius bigeminus Birma (96), *bipunctatus* Malakka (96), *celebensis* Celebes (95), *chloris* Key-Insel (87), *chlorophanus* Philippinen (86), *cinctus* Carin-Cheba (91), *corvinus* Key-Insel (76), *elegantulus* Halmahera (77), *flavo-variegatus* Ostindien (79), *frontalis* Südindien (87), *gagatus* Celebes (75), *geminatus* Celebes (79), *alutaceus* Java (89), **spp. n.**; *bipustulatus* Walk., *chilocorides* Walk., *contusus* Walk., *herbaceus* Kirby, *schaumi* Stål, *secundus* Melich., *variabilis* Butl., *walkeri* Butl., Umänderung in *Gergithus*; MELICHAR Wien Abh. Zool-Bot. Ges. 3 Heft 4 (63, etc.). *latevittatus* Walk., Umänderung in *Herophila* MELICHAR, T.c. (57); *ardus* Celebes (90), *biarcuatus* Sula-Besi (79), *imitatus* Sumatra (88), *impepus* Sumatra, etc. (89), *javanensis* Java (88), *lygaeus* Mentawai-Insel etc. (74), *maculatus* Borneo (86), *maculipes* Sumatra (86), *morio* Engano (75), *nigritus* Deutsch-Neuguinea (76), *nigrolimbatus* Neu-Guinea (91), *ruficeps* Birma (74), *similis* Neu-Guinea (81), *submaculatus* Sumatra (85); MELICHAR T.c. **spp. n.**—*H. ruforarius* (359) f. 187; *testaceus*, *virescens*, Tenasserim, (360), *nilgiriensis*, *reticulatus*, (361), *elongatus*

(362), Nilgiri hills, *venosus* Tenasserim (363), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota 3.

Hemisphaeroides aeneoniger (364) f. 188, DISTANT Faun. Brit. Ind. Rhynchota 3.

Heronax **gen. n.** *Derbidae*, *parnassius*, (431), *saccharivora* (432), Queensland, **spp. n.**, KIRKALDY Honolulu Exp. Stat. Bull. 1.

Hilavrita **gen. n.** near *Flata* (432), *trimaculata* **sp. n.** Ceylon (433) f. 227; and including *Ormenis fatua* Mel.; DISTANT Faun. Brit. Ind. Rhynchota 3.

Holodictya schroederi Nairobi **sp. n.**, SCHMIDT (198) Stettiner ent. Ztg. 67.

Homulocephala festiva (199) f. 86, DISTANT Faun. Brit. Ind. Rhynchota 3.

Homaloplasis **gen. n.**, *aprica* **sp. n.** Oran, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (27).

†*Homopterites* **gen. n.** (499), *anglicus* **sp. n.** Lias England (400), HANDLIRSCH Fossil. Ins.

Hotinus cultellatus Walk. = (*Fulgora bicolor* Schmidt) and *Fulg. cardinalis* Butl. = (*cardinalis* Schmidt) referred to *Saiva*, DISTANT (20) Ann. Mag. Nat. Hist. 18.

Hysterodus cuniceps **sp. n.** Dalmatien, etc., MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (108).

Hysteroptissus **gen. n.** (97), *conspersugulus* **sp. n.** Neu-Guinea (98), MELICHAR T.c.

Hysteropterum fowleri **nom. n.** für *H. montanum* Fowl. (149); *punctulatum* **nom. n.** für *H. germari* Fieber (137); *H. angustum* Mediterranean (130), *assimile* Kleinasien (140), *cornutum* Kalifornien (147), *curtulum* Spanien (121), *dubium* Canaren (131), *guadarramense* Spanien (126), *horvathi* Kilimandjaro (153), *maculipes* Triest &c. (141), *moschi* Deutsch-Ostafrika (152), *pallidum* Algier (127), *pictifrons* Armenien (140), *placophorum* (Horv.) Asia minor (135), *semipellucidum* Paraguay (147), *signatipes* Algier (121), *syriacum* Syria (145), *vibex* Ostafrika (154); MELICHAR Abh. zool. bot. Ges. Wien 3 Heft 4, **spp. n.**

Hysteropterum gibbipenne Walk. Umänderung in *Acrisus* MELICHAR, Wien Abh. ZoolBot. Ges. 3 Heft 4 (224).—*H. placophorum. assimile*, Asia

minor, HORVÁTH (188) Wien Ann. Nat. Hist. Hofmus. **20**, spp. n.—*H. subfasciatum* (341) f. 173, DISTANT Faun. Brit. Ind. Rhynchota **3**.—*H. informe* Walk., *sellatum* Mel., *spissum* Walk. Umänderung in *Caplopterus*, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (213).—*H. sellatum* cf. *Narayana*.—*H. fuscum* Mel., *subfasciatum* Mel., Umänderung in *Sarima*, MELICHAR Wien Abh. ZoolBot. Ges. **3** Heft 4 (302).—*H. semivitreum* Prov. Umänderung in *Dictyssa*, MELICHAR T.c. (165).

Hysterosphaerius gen. n., *secpunctatus* sp. n., Singapore, MELICHAR (98) T.c.

Interamma rubrofasciata (307) f. 147, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Isobium gen. n., *gibbosum* sp. n. Madagascar, MELICHAR Wien Abh. Zool. Bot. Ges. **3** Heft 4 (218).

Issina gen. n. (209), *suturalis* sp. n. Java (210) MELICHAR T.c.

Issomorphus gen. n. (292), *maculatus* Nordamerika, *prociidus* Costarica, spp. n., (293), MELICHAR T.c.

Issoscepa gen. n. (204) *Amphiscepa nodipennis* Germ.; *I. camelus* Chile, *nana* Brasilien, (217), *nodosa* (216) Brasilien, *quadrituberculata* Südamerika (217), spp. n., MELICHAR T.c.

Issus biforis Germ., *colombiae* Walk., *ellipticus* Germ., *herbaceus* Spinola, *longipennis* Spinola, *prasinus* Spinola, *rubrocostatus* Spinola, *simplex* Germ., *varius* Walk. Umänderung in *Thionia*, MELICHAR Wien Abh. Zool. Bot. Ges. **3** Heft 4 (275).—*I. acutus* Walk., to *Syrgis* (308), *I. longulus* Lethierry to *Thionia* (286), *I. ovatipennis* Walk. to *Picumna* (290), *I. infixus* Walk. to *Euippeus* (260), *I. herbicus* Walk. *picus* Walk. *I. viridis* Montr. to *Tylana*, (206),; *I. bellardi* (188) Cypern, *canariensis* (190) Tenerife, *caucasicus* (186) Thanathol, *feberi* (191) Cypern, spp. n.; *I. auroreus* Uhler & *algericus* Lucas to *Hysteropterum* (148); MELICHAR Wien Abh. Zool. bot. Ges. **3** Heft. 4.—*I. vulturinus*, *sidiueus* (437), *ridicularius*, *elongatulus* (438), Australia, KIRKALDY Honolulu Exp. Stat. Bull. **1**, spp. n.—*I. lineatus* cf. *Nilalohita*.

Ityraea ferruginea (208), *henkei* (206), Kongo, spp. n., SCHMIDT Stettiner ent. Ztg. **67**.

Jada gen. n. *Derbinae* (299) for *Thracia nitagalensis* Kirb. fig. 144; DISTANT Faun. Brit. Ind. Rhynchota **3**.

Jagannata gen. n. *Issinae*, *chelonina* fig. 171 (338), *maculata* (339), spp. n., Tenasserim; DISTANT T.c.

Jamaicaeas baroni Ecuador, *steinbachii* Bolivia; DISTANT (199) Ann. Mag. Nat. Hist. **18**, spp. n.

Jamella gen. n. *Phalaenomorphini*, *australica* sp. n. Queensland, KIRKALDY (460) Honolulu Exp. Stat. Bull. **1**.

Jivatma gen. n. *Lophopinae* (328), *metallica* sp. n. Tenasserim (329) f. 163; DISTANT Faun. Brit. Ind. Rhynchota **3**.

Kaha gen. n. *Derbidae* (433), *perfecta* sp. n. Queensland (434), KIRKALDY Honolulu Exp. Stat. Bull. **1**.

Kalidasa lanata Dr. (as *Cicada*) = (*Aphaena albiflos* Walk.); the habitat is E. India not Jamaica; DISTANT (195) Ann. Mag. Nat. Hist. **18**.—*K. sanguinalis* (212) f. 91, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Kalpa gen. n. *Delphacinae*, *aculeata* sp. n. Ceylon fig. 261; DISTANT (474) T.c.

Kamendaka gen. n. *Derbinae* (310), *spectra* f. 151, *fuscofasciata*, spp. n., Ceylon, (311); DISTANT T.c.

Karna gen. n. near *Hiracia* (274), *karenia* sp. n. Burma (275) f. 126; DISTANT T.c.

Kasserota gen. n. type *Acarna notaticollis* Stål; *K. doreyensis* sp. n. New Guinea; DISTANT (350) Ann. Mag. Nat. Hist. **18**.

Kermesia albida (309) f. 149, DISTANT Faun Brit. Ind. Rhynchota **3**.

Ketumala gen. n. for *Seliza bisecta* Kirb fig. (238), DISTANT (446) T.c.

Kinnara nom. n. for *Pleroma* Mel. (289), *albiplaga* sp. n. Ceylon (290); DISTANT T.c. *K. nom.* n. for *Pleroma* Mel., DISTANT (8) Entomologist London **29**.

Kirbyana nom. n. for *Kirbya* Mel. (262), *pagana* (263) f. 118; DISTANT Faun. Brit. Ind. Rhynchota **3**. *Kirbyana* = (*Kirbyella* Kirk.) DISTANT (274) Entomologist 1906.

Kirbyella nom. n. for *Kirbya* Mel., KIRKALDY (248) Entomologist 1906.

Kosalya **gen. n.** *Cixiinae* (292), *flavostriata* **sp. n.** Burma f. 140 (293); DISTANT Faun. Brit. Ind. Rhynchota 3.

Kusuma **gen. n.** *Lophopinae* (329), *carinata* **sp. n.** India (330) f. 164; DISTANT T.c.

Kuvera **gen. n.** *Cixiinae*, *semihyalina* **sp. n.** Burma f. 117; DISTANT (261) T.c.

Lacusca fuscofasciata (324) f. 159, DISTANT T.c.

Lamenia kulia (403), *hiva* (404), Queensland, KIRKALDY Honolulu Exp. Stat. Bull. 1, **spp. n.**

Lawana **nom. n.** for *Phyma* Mel. (420), *conspersa* (421) f. 220; *radiata* Cachar, L. ? *bicarinata* Bhutan, **spp. n.**, (221); DISTANT Faun. Brit. Ind. Rhynchota 3.

Leusaba rufitarsis (281) f. 130 distinguished from *marginalis* Walk.; DISTANT T.c.

Levu **gen. n.** near *Paricana*, *vitiensis* **sp. n.** Viti islands, KIRKALDY (434) Honolulu Exp. Stat. Bull. 1.

Limois westwoodi (200) f. 87, DISTANT Faun. Brit. Ind. Rhynchota 3.

Lipocallia **gen. n.** near *Neaethus* (440), *australensis* **sp. n.** Sydney (441), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Lollius angustifrons, *acutipennis*, Queensland, **spp. n.**, KIRKALDY (439) T.c.—*L. fuscus*, Engano (195), *gratiosus* Neu-Guinea (194), *transversus* Mentawai (196), **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4.

Loxocephala aeruginosa (232) f. 99, DISTANT Faun. Brit. Ind. Rhynchota 3.

Lucinda **subgen. n.** vide *Thanato-dictya*.

Lycorma imperialis (206) f. 89, DISTANT Faun. Brit. Ind. Rhynchota 3.

Magadha **gen. n.** (290) type *Cixius flavisigna* Walk. fig. 138; *nebulosa* **sp. n.** Ceylon (291); DISTANT T.c.

Majella **gen. n.**, *Achilidae*, *majella* **sp. n.** Queensland, KIRKALDY (421) Honolulu Exp. Stat. Bull. 1.

Malfeytia monteiri Angola, DISTANT (193) Ann. Mag. Nat. Hist. 18, **sp. n.**

Mongola **gen. n.**, *reticulata* Deutsch-Ostafrika, *sinuata* Kilimandjaro, **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (159).

†*Margaroptilon* **gen. n.** *brodiei*, *woodwardi*, *bulleni*, **spp. n.**, Lias England, HANDLIUSCH (499) Fossil. Ins.

Massila walkeri (459), *sidniea* (460), Australia, KIRKALDY Honolulu Exp. Stat. Bull. 1, **spp. n.**

Matacosa **gen. n.** near *Scaralis* for *Domitia miscella* Dist.; DISTANT (198) Ann. Mag. Nat. Hist. 18.

Melandera **gen. n.** *Cixiinae*, *ocellara* **sp. n.** Assam f. 123, DISTANT Faun. Brit. Ind. Rhynchota 3.

Melicharia lutescens (431) f. 226, DISTANT T.c.

Messena pulverosa (226) f. 96, DISTANT T.c.—*M. monhoti* Cambodia, DISTANT (203) Ann. Mag. Nat. Hist. 18, **sp. n.**

Metaphaena tricolor ♂, SCHMIDT (196) Stettiner ent. Ztg. 67.

Metoponitys pennatus Sierra Leone, DISTANT (205) Ann. Mag. Nat. Hist. 18, **sp. n.**

Miasa rubrovittata **sp. n.** Sumatra and Java (284), SCHMIDT Stettiner ent. Ztg. 67.

Miasa **gen. n.** (247) for *Dictyophora smaragdilinea* Walk. figured (248) f. 108, DISTANT Faun. Brit. Ind. Rhynchota 3.

Mimophantia australensis **sp. n.** Queensland, KIRKALDY (458) Honolulu Exp. Stat. Bull. 1.

Monteira **gen. n.** *corniculata* **sp. n.** Damaraland, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (158).

Mundopa **gen. n.** *Cixiinae*, *cingalensis* (263) f. 119, *greeni*, Ceylon, *myittae*, (264), *dohertyi*, *fasciatus*, (265), *Tenas-serim*, **spp. n.**; and including *Cixius dotatus* Walk.; DISTANT Faun. Brit. Ind. Rhynchota 3.

Myrilla nigromaculata Waigion **sp. n.**, SCHMIDT (196) Stettiner ent. Ztg. 67.—*M. papuana*, *semihyalina*, New Guinea, DISTANT (29) Ann. Mag. Nat. Hist. 18, **spp. n.**

Naaethus fenestratus, *grossus*, *maculatus*, (167), *nigronerosus* (168), Nordamerika, **spp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (167).

Nakta **gen. n.** near *Flata*, *stoliczkana* **sp. n.** Sind, DISTANT Faun. Brit. Ind. Rhynchota 3.

Narayana **gen. n.** *Issinae, rusticitalis* fig. 179, (349), *piecipennis* Ceylon, *umbrosa* Nilgiri hills, (350), **spp. n.**; including also *Hysteropterum sellatum* Mel.; DISTANT T.c.

Naso fitchii **sp. n.** Colorado, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (19).

Nematophora Schaum = (*Simotettix* Stål), DISTANT (355) Ann. Mag. Nat. Hist. 18.

Nesis tricolor fig. 100; *N. versicolor* **sp. n.** India; DISTANT Faun. Brit. Ind. Rhynchota 3.

Nicidus fusconebulosus (230) f. 97, DISTANT T.c.

Niculda **subgen. n.** vide *Thanatodietya*.

Nilalohita **gen. n.**, *eurentioides* **sp. n.** Burma f. 186; including also *Issus lineatus* Walk.; DISTANT Faun. Brit. Ind. Rhynchota 3.

Nilaparrata **gen. n.** *Delphacinae, greeni* **sp. n.** Ceylon fig. 260; DISTANT (473) T.c.

Nisia grandiceps **sp. n.** Queensland, KIRKALDY (427) Honolulu Exp. Stat. Bull. 1.—*N. atrovenosa* (309) f. 150; *albovenosa* **sp. n.** Ceylon (310); DISTANT T.c.

Nubithia chilensis Chile **sp. n.**, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (177).

Oliarius bouakeanus Ivory coast, KIRKALDY (155) Canad. Ent. 38, **sp. n.**—*O. walkeri* (256) f. 113; *fuscconebulosus* Burma (258), *punctipennis* India etc. (259), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota 3.—*O. laertes*, *kampaspe*, *tahunia*, (398), *asaica*, *felis*, *alexanor*, (399), *sponsa*, *phelia*, *lubra*, (400), Australia, KIRKALDY Honolulu Exp. Stat. Bull. 1, **spp. n.**

Olonia picea **sp. n.** Queensland, KIRKALDY (445) Honolulu Exp. Stat. Bull. 1.—*O. marginata* Queensland, DISTANT (206) Ann. Mag. Nat. Hist. 18, **sp. n.**

Orgerius punctiger Asia minor, HORVÁTH (187) Wien Ann. Nat. Hist. Hofmus. 20, **sp. n.**

Ormenis impunctata Madagaskar (210), *unispinosa* Ost-Afrika (212), **spp. n.**, SCHMIDT Stettiner ent. Ztg. 67.—*O.*

epilepsis nom. n. for *marginata* Brunn., KIRKALDY (156) Canad. Entomol. 38.—*O. fatua* cf. *Hilavrita*.

Oryza truncata f. 233, doubtful identification; DISTANT (439) Faun. Brit. Ind. Rhynchota 3.

Ossa venusta, formosa, spp. n., Queensland, KIRKALDY (414) Honolulu Exp. Stat. Bull. 1.

Padanda **gen. n.** *Lophopinae* (331), *atkinsoni* **sp. n.** Sikkim (332) f. 166; DISTANT Faun. Brit. Ind. Rhynchota 3.

Pamendanga **gen. n.** *Derbinae* (298) *rubilinea* **sp. n.** Tenasserim (299) f. 143; DISTANT T.c.

Parameliecharia cf. *Copsyrna*.

Parametopus **gen. n.** für *Aerometopum costalipenne* Stål., MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (244).

Paranipeus **gen. n.**, *latipes* **sp. n.** Brasilien, MELICHAR (261) T.c.

Paropiozys negus Abyssinia, DISTANT (204) Ann. Mag. Nat. Hist. 18, **sp. n.**—*P. usambarae*, SCHMIDT (200) Stettiner ent. Ztg. 67.

Pelidnopepla obscura Fabr. = (*Poio-cera nigrifrons* Walk.), DISTANT (197) Ann. Mag. Nat. Hist. 18.

Peltodietya **gen. n.** *Eutropistidae* (414), *kurandae* **sp. n.** Queensland (415), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Peltonotus histrionicus Stål, *P. rani-formis* Muls. Rey, *seurilis* Stål, Umänderung in *Peltonotellus*, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (33).

Penthicoes = (*Synaphana*), DISTANT (274) Entomologist 1906.—*Penthicoes* valid as against *Aphaena*, *Aphana* and *Penthicus*; DISTANT (24) Ann. Mag. Nat. Hist. 18.

Penthius cf. *Synaphana*.

Perissus **gen. n.** für *Issus jakowleffi* Put., MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (113).

Perkinsiella graminicida Queensland, *vitiensis* Levuka, KIRKALDY (406) Honolulu Exp. Stat. Bull. 1, **spp. n.**

Phaealastor **gen. n.** near *Peregrinus*, *pseudomaidis*, *koebeli*, **spp. n.**, Queensland, KIRKALDY (408) T.c.

Phaciocephalus **gen. n.** near *Nisia*, *vitiensis* **sp. n.** Viti islands, KIRKALDY (428) T.c.

Phaconeura **gen. n.** near *Nisia*, *froggatti*, *pallida* (428), **spp. n.**, Australia, KIRKALDY T.c.

Phalaenomorpha abdominalis cf. *Gomeda*; *P. inconspicua* cf. *Gaja*; *P. parva* cf. *Bochana*.

Phantasmatoxera **gen. n.** *Derbidae* (430), *arborea* Queensland, *vitiensis* Viti islands, (431), **spp. n.**, KIRKALDY Honolulu Exp. Stat. Bull. 1.

Pharsalus **gen. n.** *repandus* **sp. n.** Brasilien (222), MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4.

Phenelia **gen. n.** near *Elidiptera* (421), *elidipteroides* **sp. n.** Queensland (422), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Phenice moesta f. 142; *superba* **sp. n.** Assam; DISTANT (297) Faun. Brit. Ind. Rhynchota 3.

Philadelphieia **gen. n.** *Derbidae*, *pandani* **sp. n.** Queensland, KIRKALDY (432) Honolulu Exp. Stat. Bull. 1.

Plurictus ocellatus Sign., SCHMIDT Stettiner ent. Ztg. 67 (373).

Piromnia marginella (398) f. 205, *viridula* (401) f. 206; DISTANT Faun. Brit. Ind. Rhynchota 3.

Phyllyphanta albopunctata (415) f. 215, *sineusis* (416) f. 216; *andamanensis* **sp. n.** Andaman islds. (414) f. 214; DISTANT T.c.—*P. acutipennis* cf. *Pulastya*.

Phyma basipunctata Madagascar **sp. n.**, SCHMIDT (209) Stettiner ent. Ztg. 67.—*Phyma* cf. *Lavana*.

Pibrocha egregia (240) f. 104, DISTANT Faun. Brit. Ind. Rhynchota 3.

Pisacha **gen. n.** *Nogodiniaria* (391), *naga* **sp. n.** Assam (392) f. 201; DISTANT T.c.

Pitambara **gen. n.** type *Elasmoscelis radians* Kirby (319) f. 156; *interrupta* Tenasserim, *undulata* Burma, (320), *sinuata* Tenasserim (321), **spp. n.**; DISTANT T.c.

Plagiopsis decorata **sp. n.** Buenos Aires, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (39).

Platybrachys oculata (443), *chlorocephala* (444), Australia, KIRKALDY Honolulu Exp. Stat. Bull. 1, **spp. n.**—*P. barbata* Fabr. = (*Eurybrachys rubiginosa* Walk.); DISTANT (206) Ann. Mag. Nat. Hist. 18.

Pleroua cf. *Kinnara*.

Pochazia interrupta (371) f. 192, *fusca* (373) f. 193; *confusa* = (*interrupta* Mel.) (371), *atkinsoni* (374), India, *triangularis* Ceylon (375), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota 3.

Pochazoides nigromaculatus Madagascar **sp. n.**, SCHMIDT (204) Stettiner ent. Ztg. 67.

Poeciloptera tenuentia cf. *Danavara*; *P. comma* cf. *Chaturbujia*.—*P. intracta* cf. *Umata*.

Polydictya = (*Thaumastodictya*) (25); *P. crassa* Celebes, *illuminata* Sambawa, **spp. n.**, (26); DISTANT Ann. Mag. Nat. Hist. 18.—*P. basalis* (216) f. 93, DISTANT Faun. Brit. Ind. Rhynchota 3.

Pristiopsis cf. *Cathedra*.

Privesa delecta fig. 198; *confinis* **sp. n.** Sind; DISTANT (386) Faun. Brit. Ind. Rhynchota 3.

Prolepta Walk. = (*Gynthila* St.) KIRKALDY (249) Entomologist 1906.

Prosonoma **gen. n.** (235), *rugifrons* **sp. n.** Engano (236), MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4.

Pseudohemisphaerius **gen. n.** for *Hysteropterum piceum*, MELICHAR T.c. (99).

Pterilia ceylonensis (365) f. 189; *signata*, *piceata*, **spp. n.**, Ceylon, (366); DISTANT Faun. Brit. Ind. Rhynchota 3.

Ptoleria arcuigera (266) f. 120, DISTANT T.c.

Pulaha **gen. n.** near *Phyllyphanta*, *contracta* **sp. n.** Nilgiri hills fig. 219; DISTANT (419) T.c.

Pulastya **gen. n.** type *Phyllyphanta acutipennis* Kirby (417) f. 217; DISTANT T.c.

Pundaluoya ernesti (468) f. 254; *simplicia* **sp. n.** Ceylon (468) f. 255; DISTANT T.c.

Purohita **gen. n.** *Delphacinae*, *cervina* **sp. n.** Ceylon fig. 257; DISTANT (470) T.c.

Purusha, characters (203); *P. rubromaculata* Siam **sp. n.** (204); DISTANT Ann. Mag. Nat. Hist. 18.—*P. reversa* (236) f. 102, DISTANT Faun. Brit. Ind. Rhynchota 3.

Putala maculata South India **sp. n.**, DISTANT, (247) T.c.—*P. brachycephala*

Singapore, *lewisi* Japan; DISTANT Ann. Mag. Nat. Hist. **18**, **spp. n.**—*P. transvaaliensis* **sp. n.** Cape Town, DISTANT Trans. S. Afric. Phil. Soc. **16** (416).

Pyrops basibrunneus Kongo (185), *basilacteus* S. Africa (184), *schweizeri* Liberia (183), **spp. n.**, SCHMIDT Stettiner ent. Ztg. **67**.—*P. intricatus* Wulk. = (*basilacteus* Schmidt); DISTANT (191) Ann. Mag. Nat. Hist. **18**.—*P. dohrni* (180) f. 81, *chennelli* **sp. n.** Assam (181); DISTANT Faun. Brit. Ind. Rhynchota **3**.

Pyrrhoneura **gen. n.** Derbidae (434), *saccharicida* **sp. n.** Viti islands (435), KIRKALDY Honolulu Exp. Stat. Bull. **1**.

Pyrrhyllis **gen. n.** Achilidae (420), *pyrrhyllis* **sp. n.** Queensland, KIRKALDY (421) T.c.

Radamana **gen. n.** (194), *varicolor* **sp. n.** Madagascar (195); DISTANT Ann. Mag. Nat. Hist. **18**.

Radha acuminata (347) f. 177, DISTANT Faun. Brit. Ind. Rhynchota **3**.

Remosa **gen. n.** type *Dictyophara cultellator* Walk., DISTANT (355) Ann. Mag. Nat. Hist. **18**.

Rhaba **gen. n.** Dictyopharinae, *fasciata* **sp. n.** S. Africa, DISTANT Cape Town Trans. S. Afric. Phil. Soc. **16** (417).

Rhinodictya **gen. n.** Eutropistidae (416), *quacsitrix* **sp. n.** Queensland (417), KIRKALDY Honolulu Exp. Stat. Bull. **1**.

Rhotana chrysonoe, *haematoneura* Queensland, KIRKALDY (435) T.c.—*R. fuscofasciata* f. 152, *trimaculata*, (312), Ceylon, *venosa* Tenasserim (313), DISTANT Faun. Brit. Ind. Rhynchota **3**, **spp. n.**

Ricania fenestrata (376) f. 194, *simulans* (378) f. 195; *milescens* Mergui (377), *bicolorata* (378), *zebra* (379), India, **spp. n.**; DISTANT T.c.

†*Ricaniites* **gen. n.** for *Ricania fulgens* Brod., HANDLIRSCH (640) Fossil. Ins.

Ricanoptera mellerborgi (383) f. 196; *opaca* **sp. n.** Ceylon (384); DISTANT Faun. Brit. Ind. Rhynchota **3**.

Rileyia **gen. n.** (160), *reticulata* **sp. n.** Texas (161), MELICHAR Wien Abh. Zool. Bot. Ges. **3** Heft 4.

Rotunosa **gen. n.** type *Dictyophara indicanda* Walk., DISTANT (353) Ann. Mag. Nat. Hist. **18**.

(N-9720 j)

Saiva **gen. n.** (192) type *Fulgora gemmata* Westw. (193) f. 84, *nodata* **sp. n.** India (193); DISTANT Faun. Brit. Ind. Rhynchota **3**.

Salemina **gen. n.** Achilidae, *francescophila* **sp. n.** Queensland, KIRKALDY (424) Honolulu Exp. Stat. Bull. **1**.

Salurnis marginellus (418) f. 218; *uniformis* **sp. n.** Burma (419); DISTANT Faun. Brit. Ind. Rhynchota **3**.

Samantiga **gen. n.** Issinac, *abdominalis* **sp. n.** fig. 180 Nilgiri hills; DISTANT (351) T.c.

Samsana **gen. n.** near *Prolepta* (20), *chersonesia* **sp. n.** Perak (21); DISTANT Ann. Mag. Nat. Hist. **18**.

Sardis **gen. n.** for *Phenice maculosa* Kr., KIRKALDY (433) Honolulu Exp. Stat. Bull. **1**.

Sarnus lucindae **sp. n.** Queensland, KIRKALDY (440) T.c.

Sarima illibata (343) f. 174; *cretata* **sp. n.** Ceylon (344); DISTANT Faun. Brit. Ind. Rhynchota **3**.—*S. amagisana* Sumatra (303), *bimaculata* Deutsch-Neuguinea (304), *castanea* Philippinen (302), *clathrata* Banguay (304), *nigroclypeata* Ostindien (302), *notata* Neu-Guinea (304), *separata* Mentawai (303), *solita* Perak (303); MELICHAR Wien Abh. Zool. bot. Ges. **3** Heft 4; **spp. n.**

Satapa **gen. n.** near *Colobesthes*, *sicula* Ceylon fig. 224, (426), *granulosa* Bombay (427), **spp. n.**; DISTANT Faun. Brit. Ind. Rhynchota, **3**.

Scamandra clytaemnestra, *sylene*, **spp. n.**, Celebes, BREDDIN Halle Abh. natf. Ges. **24** (131-132).—*S. crinita* Sumatra (194), *sanguinea* Malacca (193), **spp. n.**, SCHMIDT Stettiner ent. Ztg. **67**.—*S. fasciata* Borneo (24), *varicolor* Bali (25); DISTANT Ann. Mag. Nat. Hist. **18**, **spp. n.**

Scaphoideus annae Ivory coast, KIRKALDY (154) Canad. Entomol. **38**, **sp. n.**

Scaralis versicolor Bolivia, DISTANT (197) Ann. Mag. Nat. Hist. **18**, **sp. n.**

Scarpantina bimaculata (422) f. 221, *modesta* (423), S. India; DISTANT Faun. Brit. Ind. Rhynchota **3**, **spp. n.**

Scolypopa kurandae **sp. n.** Queensland, KIRKALDY (450) Honolulu Exp. Stat., Bull. **1**.—*S. conradi* Kamerun **sp. n.**, SCHMIDT (205) Stettiner ent. Ztg. **67**.

Seliza ferruginea (441) f. 234, *truncata* (442) f. 235; DISTANT Faun. Brit. Ind. Rhynchota 3.—*S. bisecta* cf. *Ketumala*.

Semissus gen. n. für *Issus acuminatus* Leth., MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (112).

Sephena rubida, *lyacintha*, *cinerea*, *argus*, Australia, KIRKALDY (457) Honolulu Exp. Stat. Bull. 1, spp. n.

Serida latens (325) f. 160, DISTANT Faun. Brit. Ind. Rhynchota 3.

Sialoscarta sumatrana (278), *krügeri* (279), Sumatra, spp. n., SCHMIDT Stettiner ent. Ztg. 67.

Siphanta galeata (453), *acutipennis*, *breviceps*, *toga*, (454), *lucindae*, *subgranulosa*, *granulata*, (455), KIRKALDY Honolulu Exp. Stat. Bull. 1, spp. n.

Sivaloka gen. n. *Issinae*, *limacodes* India fig. 181 (352), *bipartita* Tenasserim (353), spp. n.; DISTANT Faun. Brit. Ind. Rhynchota 3.

Smara gen. n. *Delphacinae*, *festiva* Ceylon fig. 264, (478), *atrata* Tenasserim (479), spp. n.; DISTANT T.c.

Smicrotodelphax gen. n. near *Delphacinus* (411), *perkinsi* sp. n. Queensland (412), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Sogata gen. n. *Delphacinae*, *dohertyi* sp. n. Tenasserim fig. 258; DISTANT (471) Faun. Brit. Ind. Rhynchota 3.

Solonaima gen. n. *Civiinae* (396), *solonaima* sp. n. Queensland (397), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Stacota breviceps (282) f. 131, DISTANT Faun. Brit. Ind. Rhynchota 3.

Stenocranus aganiopsyche sp. n. Queensland, KIRKALDY (409) Honolulu Exp. Stat. Bull. 1.

Sudasina gen. n. *Issinae*, *testudo* sp. n. Ceylon fig. 182; DISTANT (353) Faun. Brit. Ind. Rhynchota 3.

Suva gen. n. near *Nisia*, *koebelii* sp. n. Viti islands, KIRKALDY (428) Honolulu Exp. Stat. Bull. 1.

Swezeyia gen. n. *Derbidae*, *lyricen* sp. n. Viti islands, KIRKALDY (430) T.c.

Symplana viridinervis (254) f. 112, DISTANT Faun. Brit. Ind. Rhynchota 3.

Synaphana nom. n. for *Penthicus* Stål, KIRKALDY (248) Entomologist 1906.—*Synaphana* cf. *Penthicodes*.

Syrgis dolrui Sumatra (309), *indignus* Celebes (310), spp. n.; MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft. 4.

Tabocasa gen. n. near *Learcha*, *sanguinolenta* sp. n. Ecuador; DISTANT (202) Ann. Mag. Nat. Hist. 18.

Tambinia languida (276) f. 127; *inconspicua* Burma f. 128, *maculosa* India, (277), *atrosignata* Ceylon, *capitata* Tenasserim, (278), spp. n.; DISTANT Faun. Brit. Ind. Rhynchota 3.

Taosa gen. n. type *Flata suturalis* Germ., DISTANT (355) Ann. Mag. Nat. Hist. 18.

Tatra gen. n. *Issinae* (336), *bufo* sp. n. Bombay (337) f. 169; DISTANT Faun. Brit. Ind. Rhynchota 3.

Tejasa gen. n. near *Cryptoflata*, *umbra* sp. n. Nilgiri hills fig. 232, DISTANT (438) T.c.

Temesa cf. *Vekunta*.

Tetrica fasciatifrons (298), *suffusa* (297) Neu-Guinea, spp. n., MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft. 4.

Tetrica bifasciata, *viridimixta* fig. 172, Tenasserim, DISTANT (340) Faun. Brit. Ind. Rhynchota 3, spp. n.

Thabena stali sp. n., Singapore, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft. 4 (294).

Thanatodictya gen. n. *Dictyopharinae*, *T. (Lucinda* subgen. n.) *lucindae* (392), *T. (Niculda* subgen. n.) *anadyomene*, *hebe*, *psyche*, (393), spp. n., Australia, KIRKALDY Honolulu exp. Stat. Bull. 1.

Thessitus insignis (231) f. 98, DISTANT Faun. Brit. Ind. Rhynchota 3.

Thionia bifasciatifrons Brasilien (274), *carinata* Nicaragua (281), *coriacea* Brasilien (277), *dubiosa* Peru (276), *fusca* Brasilien Columbien (274), *gibba* Brasilien (275), *impressa* Jamaica (284), *latifrons* Bolivien (276), *maculata* Südamerika (279), *mexicana* Mexico (285), *obsoleta* Südamerika (278), *obtusa* Mexico (279), *ocellata* Nordamerika (283), *onerata* Venezuela (280), *ovata* Brasilien (280), *proxima* Peru (278), *tigrata* Peru Bolivien (272), *transversalis* Nordamerika (281), *truncatella* Mexico (284), *variata* Brasilien (278);

MELICHAR Wien Abh. zool. bot. Ges. 3 Heft 4; spp. n.

Thracia nitagalensis cf. *Jada* and *Zoraida*.

Thyrocephalus gen. n. *Derbidae* (429), *leucopertus* sp. n. Queensland (430), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Togoda gen. n., *africana* sp. n. Deutsch-Westafrika, MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (233).

Tonga fusiformis Walk. (as *Cyrene*) = (*C. obtusata* Noualh.), MELICHAR T.c. (253). — *T. vestwoodi* (355) f. 184, DISTANT Faun. Brit. Ind. Rhynchota 3.

Toya gen. n. *Delphacinae*, *attenuata* sp. n. Ceylon fig. 259; DISTANT (472) T.c.

Trienopa ambigua Madagascar (230), *bipunctata* Trop. Afrika (229), *cyria* Kamerun (232), *elongata* Madagascar (230), *fasciata* Usambara (232), *orphana* Ostafrika (232), *varicolor* Madagascar (231), *viridis* Mombasa (229); MELICHAR Wien Abh. zool. bot. Ges. 3 Heft 4, spp. n.

Tylana acutipennis Borneo Queensland, (200), *caledonica* Neukaledonien (201), *conspurcata* Queensland (203), *constipata* Neu-Guinea (204), *electa* Celebes (209), *insculpta* Celebes (208), *interpunctata* Neukaledonien (201), *intrusa* Viti-Inseln (207), *invasa* Neu-Guinea (205), *laterata* Roon (205), *orientalis* Indischer Archipel (208), *samoensis* Samoa (206), *separanda* Vaterland unbekannt, (201); MELICHAR Wien Abh. zool. bot. Ges. 3 Heft 4, spp. n. — *T. philippina* Stål, *T. tagalica* Stål, Umänderung in *Scalabis*, MELICHAR T.c. (197).

Udugama splendens (249) f. 109, DISTANT Faun. Brit. Ind. Rhynchota 3.

Upachara gen. n. *Delphacinae*, *stigma* sp. n. Ceylon fig. 256; DISTANT (469) Faun. Brit. Ind. Rhynchota 3.

Ulises cassioides Walk. (as *Issus*) = (*clypeatus* Fowl.) MELICHAR Wien Abh. ZoolBot. Ges. 3 Heft 4 (219).

Unnata gen. n. type *Poeciloptera intracta* Walk. fig. 231; DISTANT (437) Faun. Brit. Ind. Rhynchota 3.

Usana gen. n. *Cixiinae* (293), *lineolalis* sp. n. Tenasserim (294) f. 141; DISTANT T.c.

(N-9720 j)

Vanua gen. n. *Eutropistidae* (415), *vitiensis* sp. n. Viti islands (416), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Varcia Stål = (*Aphanophrys* Mel.), cf. also *Varcilla*, KIRKALDY (248) Entomologist 1906. — *V. hemerobii* (389) f. 200; *kandiyana* sp. n. Ceylon (390); DISTANT Faun. Brit. Ind. Rhynchota 3.

Varcilla nom. n. for *Varcia* Mel. nec Stål, KIRKALDY (248) Entomologist 1906.

Varma gen. n. *Lophopinae* (330), *tridens* sp. n. Ceylon (331) f. 165; DISTANT Faun. Brit. Ind. Rhynchota 3.

Vekunta nom. n. for *Temesa* Mel., DISTANT (8) Entomologist London 29. — *Vekunta* nom. n. for *Temesa* Mel. (287) f. 136; DISTANT Faun. Brit. India Rhynchota 3.

Vinata nom. n. for *Erana* Walk., DISTANT (8) Entomologist London 29. — *Vinata* nom. n. for *Erana* Walk. (314), *nigricornis* fig. 153; *nivosa* sp. n. Assam (315); DISTANT Faun. Brit. Ind. Rhynchota 3.

Vishnuloka gen. n. *Issinae*, *prominula* Sikkim fig. 176 (345), *cuneata* Tenasserim (346), spp. n.; DISTANT T.c.

Vivaha gen. n. *Derbinae* (307), *facialis* sp. n. Tenasserim etc. (308) f. 148; DISTANT T.c.

Yarrana gen. n. near *Olonia* (206), *sinuata*, *continuata*, spp. n., Queensland (207); DISTANT Ann. Mag. Nat. Hist. 18.

Zamila aberrans (327) f. 161, DISTANT Faun. Brit. Ind. Rhynchota 3.

Zepasa gen. n. *Fulgorinae* (191), *aurivilliana* sp. n. Brazil (192); DISTANT Ann. Mag. Nat. Hist. 18.

Zennasa gen. n. type *Poocera irrorata* Blanch., DISTANT (200) T.c.

Zoraida pterophoroides (301) f. 145; *rufivena* (302), *motschouloukyi*, *gilva*, (303), *ficta* (= *nitagalensis* Mel.) (304), spp. n., Ceylon; DISTANT Faun. Brit. Ind. Rhynchota 3.

The following Fulgoridae have been previously dealt with in the Zoological Record.

(*Acrobelus delphinus* NOUALHIER, Mission Pavie 3 sp. n.)

(*Cyrene obtusata* NOUALHIER T.c. 3 sp. n.)

(*Eudelphax setulosus* Mel., Identität mit *Eudelphax serendiba* Kirk., KIRKALDY, Entomol. Ztg. Wien 24 1905 (266).)

(*Fulgora monetaria* NOUALHIER Mission Pavie 3 sp. n.)

(*Hemisphaerius interclusus* NOUALHIER, T.c. sp. n.)

(*Oliarus cucullatus, petasatus*, NOUALHIER T.c. sp. n.)

(*Ricania flabellum* NOUALHIER T.c. sp. n.)

MEMBRAOIDEAE.

Acanthuchus dromedarius, obtusus, Australia, KIRKALDY (377) Honolulu exp. Stat. Bull. 1, spp. n.

Centrotypus hospes sp. n. Sydney, KIRKALDY (378) Honolulu Exp. Stat. Bull. 1.

Enchenopa coacta sp. n. Peru, SCHMIDT (361) Stettiner ent. Ztg. 67.

Gargara vulpeculus sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (126).

Gelastorrhachis gen. n. near *Eutryonia* (372), *diadema, clavata*, spp. n., Queensland, (373), KIRKALDY Honolulu Exp. Stat. Bull. 1, spp. n.

Gigantorhabdus gen. n. near *Hypsauchenia* (371), *enderleini* sp. n. Borneo (372), SCHMIDT Stettiner ent. Ztg. 67.

Hoplophorion erectum with var. *nigromaculatum* Ecuador (363), *carinulatum* (364), *haenschi* (365), Columbien, *ohausianum* Ecuador (366), spp. n., SCHMIDT T.c.

Hypsauchenia Germ. = (*Pyrgonota* Stål), SCHMIDT (369) T.c.

Membracis sanguineoplaga sp. n. Brasilien, with varr. nn. *nigricauda* and *completa*, SCHMIDT (360) T.c.

Pterygia pehlkei sp. n. Columbien, SCHMIDT (362) T.c.

Pyrgauchenia gen. n., BREDDIN Halle Abh. natf. Ges. 24 (126).—*Pyrgauchenia* Bredd. = (*Pyrgophyllum* and *Pyrgolyrium* Br.) (369), *P. foersteri* var. n. *fulva* (371), *P. breddini* Ceylon sp. n. (370), SCHMIDT Stettiner ent. Ztg. 67.

Sarantus nobilis sp. n. Queensland, KIRKALDY (374) Honolulu Exp. Stat. Bull. 1.

Sextius assimilis (376), *longinotum kurandae* (377), Australia, KIRKALDY T.c., spp. n.

Tumayana gen. n. near *Poppea* (367), *eva* sp. n. Peru (368), SCHMIDT Stettiner ent. Ztg. 67.

(*Leptocentrus subflavus* NOUALHIER, Mission Pavie 3 sp. n.)

† PROCEROPOIDAE.

†*Procercopsis* gen. n. *Procercopidae* fam. n., *alutacea*, (500), *liasina* (501), spp. n., Lias Mecklenburg, and *Cercopsis jurassica* Gein., HANDLIRSON Fossil. Ins.

CERCOPIDAE.

Anyllis gen. n. (386), *leiala* sp. n. Queensland (387) KIRKALDY Honolulu Exp. Stat. Bull. 1.

Aufidellus gen. n. near *Aufidus*, *australensis* sp. n. Queensland, KIRKALDY (381) T.c.

Aufiterna gen. n. near *Aufidus*, *ptyeloides* sp. n. Queensland, KIRKALDY (382) T.c.

Clovina multisignata sp. n. Celebes, BREDDIN Halle Abh. natf. Ges. 24 (124).

Cosmoscarta dirce, orithyia, callirhoë hyale, psecas, liriopie, rhanis, spp. n., Celebes, BREDDIN (115–121) T.c.—*C. inexacta* var. n. *semirubra* Celebes, Id. l.c.

Euryaulax gen. n. (380), *callitettigoides* sp. n. Queensland (381), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Eurycercopsis gen. n. *nigrofasciata* sp. n. Queensland, KIRKALDY (383) T.c.

Mioscarta gen. n., BREDDIN Halle Abh. natf. Ges. 24 (123).

Pectinariophyes gen. n., *pectinaria* sp. n. Queensland, KIRKALDY (386) Honolulu Exp. Stat. Bull. 1.

Petyllis gen. n. near *Aufidus*, *australensis* sp. n. New South Wales, KIRKALDY (382) T.c.

Polychaetophyes gen. n. near *Hindola* (384), *serpulidia, aequalior*, spp. n., Queensland, (385), KIRKALDY T.c.

Ptyelus flavescens, habits, HINDE (225) pl. xiii London Trans. ent. Soc 1906.

Triecphora sanguinolenta, *sanguinea intermedia*, synonymic, *intermedia* var. *nigra* var. nov. ROYER (298) Paris Bull. Soc. ent. 1906.

(*Cosmoscarta carens*, *carinifrons*, NOUALHIER, Mission Pavie 3 spp. n.)

(*Triecphora septemmaculata* sp. n., Jerusalem, MELICHAR, Entomol. Ztg. Wien 22 1903 (282).)

JASSIDAE.

Aglena ornatula nom. n. pro *pallida* Walk., KIRKALDY (319) Honolulu Exp. Stat. Bull. 1.

Anemochrea gen. n., (329), *mitis* sp. n. Sydney (330), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Anemolua gen. n., *hanuala* sp. n. Queensland, KIRKALDY (329) T.c.

Aneono gen. n. *Eupteryginae* (358), *puleherrima* sp. n. Australia (359) KIRKALDY T.c.

†*Archijassus* gen. n., *geinitzi* Lias Mecklenburg sp. n., and pts. of *Cercopis* and *Cercopidium* Gein., HANDLIRSCH (501) Fossil. Ins.

Athysanus venosus New York, OSBORN (526) Albany N.Y. New York Mus. Bull. 97, sp. n.

Chlorita pusilla sp. n. Deutschland, MATSUMURA (77) Danzig Schr. natf. Ges. 11.

Cicadula histrionicula Queensland (361), *vitiensis* Viti islands (362), KIRKALDY Honolulu Exp. Stat. Bull. 1, spp. n.—*C. sexnotata*, JUNGNER Berlin Arb. D. LandwGes. Heft 115 (1-50) 1 Taf.

Deltocephalus excisus sp. n. Deutschland, MATSUMURA (79) Danzig Schr. natf. Ges. 11.—*D. (?) perparvus* sp. n. New South Wales, KIRKALDY Honolulu Exp. Stat. Bull. 1.

Dikraneura honiala, *aneala*, Australia, KIRKALDY (360) T.c., spp. n.

Dorycephalus ianthe, *subreticulatus*, (340), *trilineatus* (341), Australia, KIRKALDY T.c., spp. n.

Dryadomorpha gen. n. (335), *pallida* sp. n. Queensland (336), KIRKALDY T.c.

Eclopiocephalus gen. n. *Penthimiinae*, (463), *vanduzeei* sp. n. Queensland (464), KIRKALDY T.c.

Empoa australensis sp. n. Queensland, KIRKALDY (363) T.c.

Epipsychidion gen. n. *Agalliini* (345), *epipyropis* sp. n. Sydney (346), KIRKALDY T.c.

Erythroneura melanogaster, *lubra*, (364), *honilola*, *ipolola*, *honiala*, (365), Australia, KIRKALDY T.c., spp. n.

Euleimonios gen. n. *Macrostelini*, *demittendus* sp. n. New South Wales, KIRKALDY (342) T.c.

Eupteryx cyclops sp. n. Deutschland, MATSUMURA (78) Danzig Schr. natf. Ges. 11.—*E. haematoptilus* sp. n. Queensland (362); *melichari* nom. n. pro *picta* Md. (363), KIRKALDY Honolulu Exp. Stat. Bull. 1.—*E. nigra* New York, OSBORN Albany N.Y. St. Mus. Bull. 97 sp. n.

Eurinoscopus gen. n. near *Bythoscopus* (346), *lentiginosus*, *sontiates*, (347), *soboles*, *dryas*, *pelias*, *molestia*, (348), *pelamys* (349), Australia, spp. n., KIRKALDY Honolulu Exp. Stat. Bull. 1.

Eurymeloides hyacinthus, *cumulosus*, (351), *bicinctellus*, *ornatus*, (352), *rubri-venosus*, *lentiginosus*, (353), Australia, KIRKALDY T.c., spp. n.

Eurymelops subg. n. of *Eurymela* for *E. rubrovittata* etc., KIRKALDY (354) T.c.—*E. rubrolimbata* (354), *plebeia*, *lubra*, (355), Australia, KIRKALDY T.c., spp. n.

Eutettix brunneus N. York, OSBORN (530) Albany N.Y. St. Mus. Bull. 97, sp. n.

Giffardia gen. n. near *Dorycephalus*, *dolichocephala* sp. n. Queensland, KIRKALDY (336) Honolulu Exp. Stat. Bull. 1.

Gnathodus viridis New York, OSBORN (541) Albany N.Y. St. Mus. 97, sp. n.

Gypona geminata New York, OSBORN (513) T.c., sp. n.

Heccalus immaculatus sp. n. Queensland, KIRKALDY (338) Honolulu Exp. Stat. Bull. 1.

Idiocerus ipo sp. n. Queensland, KIRKALDY (466) T.c.

Ipo n. gen. *Agalliinae*, (461), *ambita*, *conferta* (465), *honiala*, *aegrota*, (466), Queensland, spp. n., KIRKALDY T.c.

Kahaono gen. n. near *Dikraneura*, *hanuala* sp. n. Queensland, KIRKALDY (361) T.c.

Kahavalu gen. n. *Ledrinae*, *gemma* sp. n. New South Wales, KIRKALDY (371) T.c.

Kosmiopelex gen. n. near *Aphrodes* (334), *varicolor* sp. n. Queensland (335), KIRKALDY T.c.

Kyphocotis gen. n. *Ledrinae* (370), *tessellata* sp. n. Queensland (371), KIRKALDY T.c.

Macroceratogonia gen. n. (323), *aurea* sp. n. Queensland (324), KIRKALDY T.c.

Myrmecophryne gen. n. near *Graphocraerus* (461), *formiceticola* sp. n. Queensland, KIRKALDY (462) T.c.

Nephotettix plebeius (331), *contemptus* (332), Australia, KIRKALDY T.c., spp. n.

Nesosteles gen. n. *Macrostelini*, *hebe* (343), *glauca*, *sanguinescens*, *sordidior*, (344), *taedia* (345), spp. n., Queensland, KIRKALDY T.c.

Paradorydium menalus (339), *pseudolyricen* (340), KIRKALDY T.c., spp. n.

Pedioscopus gen. n. near *Idioceerus*, *philenor*, *polydorus*, (349), *agenor* (350), spp. n., Queensland, KIRKALDY T.c.

Pettya gen. n. *Macrostelini*, *anemolua* sp. n. Queensland, KIRKALDY (343) T.c.

Phacosema gen. n. (387), *gallicola* sp. n. Vorder-Indien (388), KIEFFER Zs. wiss. Insektenbiol. 2.

Plirynomorphus longinquus, *taedius*, (326), *fatigandus* (327), Queensland, KIRKALDY Honolulu Exp. Stat. Bull. 1, spp. n.

Plirynophyes gen. n., *plirynophyes*, (327), *parrula* (328), spp. n., Queensland, KIRKALDY T.c.

Platymetopius cuprescens (517), *angustatus* (518), *fulvus* (519), New York, OSBORN Albany N.Y. St. Mus. Bull. 97, spp. n.

Rhotidus ingens, (366), *informis*, *flavomaculatus*, *monstrum*, *ledropsiformis*, (367), *horrendus*, *viridescens*, (368), Australia, KIRKALDY Honolulu Exp. Stat. Bull. 1, spp. n.

Scaphoideus pristidens sp. n. Queensland, KIRKALDY (333) T.c.—*S. opalinus* New York, OSBORN (525) Albany N.Y. St. Mus. Bull. 97, sp. n.

Smicrocotis gen. n. *Ledrinae*, *obscura* sp. n. Queensland, KIRKALDY (370) Honolulu Exp. Stat. Bull. 1.

Sphinctogonia gen. n., *quincuncula*, *servula*, *reginula*, spp. n., Celebes, BREDDIN Halle Abh. natf. Ges. 24 (128–130).

Tartessus syrtidis sp. n. Queensland, KIRKALDY (341) Honolulu Exp. Stat. Bull. 1.

Tettigonia viridis, natural history, PIERRE Rev. Sci. Bourbon 1906 (77–82).—*T. koebelei* (319), *pasiphae* (320), *parthaon*, *pettimolua*, (321), *anemolus* (322), Australia, KIRKALDY Honolulu Exp. Stat. Bull. 1, spp. n.

Thamnotettix combibus sp. n. Deutschland, MATSUMURA (78) Danzig Schr. natf. Ges. 11.—*T. exquisitos* (534), *placidus* (536), New York, OSBORN Albany N.Y. St. Mus. Bull. 97, spp. n.

Tharra gen. n. near *Jassus* (324), *labena* sp. n. Queensland (325), KIRKALDY Honolulu Exp. Stat. Bull. 1.

Thaumatoscopus gen. n. near *Gypona*, *galeatus* sp. n. Queensland, KIRKALDY (462) T.c.

Vulturinus gen. n. near *Gypona*, *vulturinus* sp. n., Queensland, KIRKALDY (463) T.c.

(*Annidion* gen. n. (267), *pulcherrimum*, Elfenbeinküste, sp. n., (260), KIRKALDY, Entomol. Ztg. Wien 24 1905 (267).)

(*Gypona kangrensis* Ostindien, KIRKALDY, T.c. (267) sp. n.)

(*Motschulskyia* nom. n. für *Conometopus* Motsch. KIRKALDY, (266) T.c.)

(*Thomsonia arcuata*, Synonymie KIRKALDY, (267) T.c.)

(*Thomsoniella* Sign., Synonym von *Thomsonia*, KIRKALDY, (267) T.c.)

(*Edomops rubescens* NOUALHIER, Mission Pavie, 3 sp. n.)

(*Ilecalus platalea* NOUALHIER, T.c. sp. n.)

PSYLLIDAE AND ARCHIPSYLLIDAE.

[*Archipsylla* **gen. n.** *Archipsyllidae* fam. n., (502), *primitiva*, *liasina*, **spp. n.**, Lias Mecklenburg, (503), HANDLIRSCH Fossil. Ins.

Phytolma lata Scott, galls etc., VOSSELER Zs. wiss. Insektenbiol. **2** (276-285, 305-316).

Protyora **gen. n.** für *Tyora sterculiae* Froggatt, KIEFFER (388) Zs. wiss. Insektenbiol. **2**.

Psylla and bees, GIARD, Feuille jeunes natural. **36** (63).

(*Psyllia* nom. n. für *Psylla* auct. nec. typ., KIRKALDY Entomol. Ztg. Wien **24** 1905 (268).)

APHIDAE.

List of genera and catalogue of recently described species, KIRKALDY Canad. Entomol. **38** (9-18, 135, 202).

Supplementary list to Kirkaldy's catalogue of the Aphidae described as new from 1885. SCHOUTEDEN, Bruxelles Ann. Soc. ent. Belgique 1906 (30-36).

Catalogue of North American *Aphididae*, with host-plant and plant-host list, Part 2. SANBORN Lawrence Kan. Univ. Sci. Bull. **3** (223-275).

Annotated catalogue of Belgian *Aphidae*, SCHOUTEDEN (189-246) Bruxelles Mem. Soc. ent. Belgique **12**.

The *Aphidae* of Guernsey, LUFF (82-89) Guernsey Trans. Soc. Nat. Sci.

Diverse galle prodotte sul *Populus nigra*; GUERCIO Redia **3** (375-385) con 28 fig.

Studies on the germ cells of *Aphids*; STEVENS, Washington Carnegie Institution Publication No. 51 (28) pl.

Plant louse on *Scirpus lacustris* L. var. *genuinus* remedies against (Japanese). OKADA Konch. Sek. Gifu **10** (358-362 & 411-414).

Abamalekia **gen. n.** near *Cerataphis lazarevi* **sp. n.** Italy, DEL GUERCIO (364) Redia **3**.

Aphis caricis (218), *musae* (223), Belgium, SCHOUTEDEN Bruxelles Mem. Soc. ent. Belgique **12**, **spp. n.**—*A. sorghella* Africa, SCHOUTEDEN (135) Bruxelles Ann. Soc. ent. Belgique **50**, **sp. n.**—*A. ribis* (46) pl. xvi f. 82, *aubletia* (48) pl. xii f. 68, Kansas, SANBORN Lawrence

Kan. Univ. Sci. Bull. **3**, **spp. n.**—*A. houghtonensis* **sp. n.** Indiana, THORP (59) Ent. News **17**.—*A. schoutedeni* nom. n. for *spiraeae* Schout., KIRKALDY (13) Canad. Entomol. **38**.—*A. cardui*, peculiar habitat, VOET (255) Paris Bull. Soc. ent. 1906.—*A. gossypii*, natural history, CHITTENDEN Washington Cir. U. S. Dept. Agric. Bur. Ent. No. **80** (1-16).—*Aphis maidi-radiciis* and *Lasius niger* var. *americanus*, FORBES Washington U. S. Dept. Agric. Bur. Ent. Bull. No. **60** (29-41).

Callipterus genevei Kansas, SANBORN (38) pl. vii f. 45 Lawrence Kan. Univ. Sci. Bull. **3**, **sp. n.**

Cerataphis betulae ♂, SCHOUTEDEN (197) Bruxelles Mem. Soc. ent. Belgique **12**.

Cerosipha **gen. n.**, DEL GUERCIO 1900, cf. SCHOUTEDEN Bruxelles Ann. Soc. ent. Belgique **50** (31).

Chaitophorus stevenensis (36) pl. vii f. 47, *flabellus* (37) pl. xx f. 95 Kansas, SANBORN Lawrence Kan. Univ. Sci. Bull. **3**, **spp. n.**

Chermes; Lebensgeschichte und Schaden an Nadelhölzern, CHOLODKOVSKY St. Petersburg [Depart. f. Landwirthschaft] 1906 (60) 6 Taf.—*C. piceae*, natural history, MARCHAL (111-114) Paris Bull. Soc. Zool. **31**.—*Chermes pini* Koch., biologie, MARCHAL Paris Bull. soc. ent. 1906 (179-182).

Eucallipterus nom. n. for *Pterocallis* Mordwilko, SCHOUTEDEN (31) Bruxelles Ann. Soc. ent. Belgique **50**.

Kaltenbachella **gen. n.** (194), *menthae* **sp. n.** Belgium (195), SCHOUTEDEN Bruxelles Mem. Soc. ent. Belgique **12**.

Lachnus incertus nom. n. for *subterraneus* del Guercio, *caricis* Walk. forms, (203, 204), *piceae* Walk. forms, (205-207), SCHOUTEDEN T.c.

Macrosiphum squarrosa (77) pl. xvi f. 84, *biennis* (78) pl. ix f. 51 Kansas, SANFORD Lawrence Kan. Univ. Sci. Bull. **3**, **spp. n.**—*M. granaria*, winged female, SANDERSON Ent. News **17** (290); notes, SANBORN Ent. News **17** (327-328).

Mindarus and *Selizoneura*, DEL GUERCIO (371-374) Redia **3**.

Mindarus abietinus, the genus and species, DEL GUERCIO (371-375) T.c.

Myzoxylus; radiculous form of the fir, parthenogenetic female, DEL GUERCIO (365-371) T.c.

Myzus flaginis Belgium, SCHOUTEDEN (231) Bruxelles Mem. Soc. ent. Belgique 12.

Nipponaphis gen. n. near *Schizoneura*, *distychii* sp. n. Japan, PERGANDE (205) Ent. News 17.

Pemphigus; the various galls formed on *Populus nigra*, DEL GUERCIO (375-385) Redia 3.—*P. poschingeri* Schädingung, VADAS Erd. kis. 8 (192-193).—*P. burrowi* Kansas, SANBORN (18) pl. iv f. 30 Lawrence Kan. Univ. Sci. Bull. 3, sp. n.—*P. oestlundii* nom. n., COCKERELL Ent. News 17 (31).

Pterocallis gen. n. MORDWILKO 1894; cf. SCHOUTEDEN (31) Bruxelles Ann. Soc. ent. Belgique 50.

Rhizoicus and *Rhizomaria*, DEL GUERCIO (365-371) Redia 3.

Rhizomaria Hartig = (*Holzneria* Licht.), SCHOUTEDEN (42) Bruxelles Ann. Soc. Ent. Belgique 50.

Schizoneura rotundiventris Sign. to *Toxoptera*, SCHOUTEDEN (37) T.c.—*S. lanigera* habits, life history, BLOMFIELD Quart. J. microsc. Sci. 50 (573-579) pl. xxxii.—*S. fodiens*, natural history, THEOBALD Washington Bull. U. S. Dept. Agric. Bur. Ent. No. 60 (166-170).

Subcalipterus gen. n., MORDWILKO 1904; cf. SCHOUTEDEN (31) Bruxelles Ann. Soc. ent. Belgique 50.

Toxoptera theobromae W. Africa, SCHOUTEDEN (37) T.c., sp. n.

Trichosiphum gen. n. near *Greenidea* (206), *anonae* (207), *kuwanae* (208), Japan, spp. n., PERGANDE Ent. News 17.

Tuberculatus gen. n. MORDWILKO 1894; cf. SCHOUTEDEN (31) Bruxelles Ann. Soc. ent. Belgique 50.

Trycheoides nom. n. for *Tychea* Pass., SCHOUTEDEN (191) Bruxelles Mem. Soc. ent. Belgique 12.

Xerampelus gen. n. DEL GUERCIO 1900; cf. SCHOUTEDEN (31) Bruxelles Ann. Soc. ent. Belgique 50.

(Lécaillon, A. Sur un puceron (*Aphis papaveris* Fabr.) ennemi de la Betterave; Paris, Bul. Soc. entom. 1905 (258-260).)

(*Aphis sorghi* sp. n. Sudan, destructive to crops. THEOBALD, Khartoum,

Rep. Wellcome Res. Lab., 1, 1904, (43-45, with pls.))

(*Aphis* spp. STEVENS, J. Exp. Zool. Baltimore, Md. 2 1905 (313-333, with 4 pl.).

ALEURODIDAE.

Some new or little known *Aleyrodidae* from Connecticut, BRITTON Ent. News 17 (127-130).

(*Aleyrodes actaeae* Connecticut, BRITTON, Ent. News 16 1905 (65-67) pl. sp. n.)

COCOIDAE.

Catalogue of recently described species, SANDERS Washington D.C. U. S. Dept. Agric. Bur. Ent. Techn. ser. 12 pt. 1 (1-18).

The *Coccidae* of Sweden; TULLGREN (69-95) Uppsala Ent. Tidskr. Stockholm 27.

Monophlebinae of Australia; FROGGATT, 5.

Tables of Rocky mountains *Coccidae*; COCKERELL Stud. Univ. Colorado 2 (189-203).

Generi e specie di *Diaspiti*. Saggio di sistematica delle Fioriniae; LEONARDI Redia Firenze 3 (1905) 1906 (16-65) con 22 fig.

Formalin as a means of preparation, GREEN (129, 130) Ent. Mag. London 42.

Actenaspis subg. n. cf. *Leucaspis*.

Adiscosfiorinia gen. n. for part of *Fiorinia* (52), *secreta* Green etc., *atalantiae* Ceylon (54) sp. n., LEONARDI Redia 3.

Anamaspis subg. n. cf. *Leucaspis*.

Anamefiorinia gen. n. for part of *Fiorinia* viz. *casuarinae* and *lidgetti*, LEONARDI (48) Redia 3.

Aonidia pinicola Valencia, LEONARDI (1 sep. pag.) Portici Ann. Scuola sup. Agric. 6, sp. n.—*A. picea* Valencia on *Billartia officinalis*, LEONARDI (6) Redia 3, sp. n.

Aonidiella taxus Italy, LEONARDI (1) Redia 3, sp. n.

Aspidiotus ozyccoccus New Jersey (73), *pseudospinosus* Florida (75), WOGLUM Canad. Entomol. 38, spp. n.—*A. perniciosus*, natural history and distribu-

tion, MARLATT Washington U. S. Dept. Agric. Bur. Ent. Bull. No. 62 (1-89) plates i-ix.—*A. destructor* (218) pl. vii figs. 1-8, BANKS Philipp. J. Sci. 1.

Chionaspis candida Philippines (232) pl. iv f. 1, altered to *C. inday* (787), BANKS Philipp. J. Sci. 1, sp. n.

Chrysomphalus propositus Philippines, BANKS (230) Pl. i f. i T.c., sp. n.

Coccus; the type fixed by Schulzer is *hesperidum*, FERNALD (125) Canad. Entomol. 38.

Dactylopius longispinus, LAMBERTIE Bordeaux Act. soc. linn. 60 1905 (proc.-verb. lxxxix).

Diaspis pentagona, parasites of, HOWARD Ent. News 17 (291-293); FRANCESCHINI Milano Atti Soc. ital. 45 (62-70).

Eriococcus bahiae (330), *howardi* (331), *catalinae* (332), California, EHRHORN Canad. Entomol. 38, spp. n.—*E. dubius* var.? Paraguay, COCKERELL (32) Washington D.C. Proc. ent. Soc. 8.

Eulecanium; table of species, COCKERELL (83-88) Canad. Entomol. 38.

Euphilippia gen. n. *Lecaniites* (396), *olivina* sp. n. Italy (398), BERLESE and SILVESTRI Redia 3.

Fiorinia, monograph; *F. bidens* (23), *odinae* (24), *tumida* (38), *juniperi* (39), spp. n., Ceylon; LEONARDI Redia 3.—*F. hirsuta* Alger, MARCHAL (145) Paris Bul. soc. ent. 1906, sp. n.

Hemichionaspis orlandi Matto Grosso, LEONARDI (5) Redia 3, sp. n.

Kermes rattani California, EHRHORN (329) Canad. Entomol. 38, sp. n.

Laccifer Oken (= *Tachardia* Blanch.), KIRKALDY (249) Entomologist 1906.

Lecanium sericeum sp. n. (147, 152), LINDINGER Insektenbörse 23.

Lepidosaphes mcgregori (233) pl. v, *unicolor* (234) pl. vii, Philippines, BANKS Philipp. J. Sci. 1, spp. n.

Leucaspis; revision with *Anaspis* and *Actenaspis* subgen. n., LEONARDI (1-29 sep. pag.) Portici Ann. Scuola sup. Agric. 6.—*L. affinis* Francia, Id. (4 sep. pag.) T.c., sp. n.

Margarodes; longévitité, MAYET Paris Bul. soc. ent. 1906 (228-229).

Morganella longispina Morg. = (*maskelli* Cock.), KOTINSKY (78) Honolulu Proc. Hawai. ent. Soc. 1.

Mytilaspis pomorum on *Helianthemum vulgare*, CHAPMAN (233) Ent. Mag. London 42.

Orthezia californica Santa Clara, EHRHORN (329) Canad. Entomol. 38, sp. n.—*O. urticae* in den Niederlanden, OUDEMANS's Gravenhage Tijdschr. Ent. 49 (xlvii).

Paralecanium cocophyllae Philippines, BANKS (235) pl. viii Philipp. J. Sci. 1, sp. n.

Parlatoria; the species distinguished by dorsal glands; PALMER (131-146) pls. xxiii-xxviii Lawrence Kan. Univ. Sci. Bull. 3.—*P. greeni* Philippines, BANKS (231) pl. iii f. 1 Philipp. J. Sci. 1, sp. n.

Phenacoccus colemani California, EHRHORN (332) Canad. Entomol. 38, sp. n.—*P. helianthi*, COCKERELL (34) Washington D.C. Proc. ent. Soc. 8.

Pseudococcus pandani, *armatus* var. *a*, COCKERELL (33) T.c.—*P. juniperi* California, EHRHORN (333) Canad. Entomol. 38, sp. n.

Pulvinaria; measurements of young, KING (325) Canad. Entomol. 38.—*P. innumerabilis*, number of eggs, DAVIS (368) Ent. News 17.—*P. pluchaeae* California, EHRHORN (334) Canad. Entomol. 38, sp. n.

Pollinia pollinii, male life-history, BERLESE and PAOLI (393-395) Redia 3.

Ripersiella kelloggi California, EHRHORN (334) Canad. Entomol. 38, sp. n.

Stotzia gen. n. *Lecanides* (143), *striata* sp. n. Algérie (144), MARCHAL Paris Bull. Soc. ent. 1906.

Tachardia cf. *Laccifer*.

Trulliflorinia gen. n. for part of *Fiorinia* (41), *rubrolineata* (44) sp. n. Ceylon; LEONARDI Redia 3.

(MARCHAL, P. Sur la biologie du *Chysomphalus dictyospermi* var. *minor* Berlese, et sur l'extension de cette cochenille dans le bassin méditerranéen. Paris Bul. soc. ent. 1904, (246-249).)

(*Aspidiotus riverae* Chile, COCKERELL, Ent. News 16 1905 (161-163), sp. n.)

(*Ceroplastes sanguineus*, *schrottkyi*, Paraguay. COCKERELL, Ent. News **16** 1905 (161-163), spp. n.)

ANOPLURA.

Stechund Saugapparat der Pediculiden. PAWLOWSKI Zs. wiss. Insektenbiol. **2** 1906 (156-162, 198-204).

Antarctophthirius gen. n. (661), *ogmorhini* sp. n. Antarktis (662), ENDERLEIN Zool. Anz. **29**.

Echinophthirius microchir to *Antarctophthirius* (663); (*E. setosus* Rothschild. 1902) = *A. ogmorhini*, (662); ENDERLEIN T.c.

Haematopinus stephensi, on *Jerbellus indicus*, CHRISTOPHERS and NEWSTEAD (3) pl. 1, Liverpool Thompson Yates Lab. Rep. **7**, sp. n.

THYSANOPTERA.

Euthrips nicotianae, HOOKER Washington Cir. U. S. Dept. Agric. Bur. Ent. No. **68** (1-5).

Kladothrips rugosus sp. n. Tamworth N.S.W., FROGGATT Agric. Gaz. **17** (1011) figg.

PSOCIDAE.

Monograph of *Amphientomidae*, *Lepidopsocidae*, *Lepidillidae*: ENDERLEIN *Spolia zeylan.* **4** (39-122), 7 pls. Supplementary note, GREEN T.c. (123-125).

Einige Notizen der *Copeognathen* Nordamerikas, ENDERLEIN Stettiner ent. Ztg. **67** 1906 (317-320).

Zur *Copeognathen* fauna der Provinz Novgorod. (Russ.) ZAVARZIN St. Petersburg Ber. Süßwasserst. Naturf. Ges. **2** (271-276).

†List of fossil *Psocidae*; MEUNIER (59) Naturaliste 1906.

Amphigerontia kolbei (246) *nubila* (247), spp. n., Japan, ENDERLEIN Zool. Jahrb. Syst. **23**.

Amphipsocus iridescent sp. n. Ostafrika, ENDERLEIN (311) Stettiner ent. Ztg. **67**.

Archipsocus brasiliensis sp. n. Brasilien (83), *A. recens* End. (86) figs., ENDERLEIN Zool. Jahrb. Syst. **24**.

Cacilius scriptus Japan (312), *wolffhugelianus* Argentinien (313), spp. n., ENDERLEIN Stettiner ent. Ztg. **67**.—*C. gonostigma* (253), *japanus* (254), *oyamai* (252), spp. n., Japan, ENDERLEIN Zool. Jahrb. Syst. **23**.—*C. fasciatus* sp. n. Brasilien, ENDERLEIN (12) pl. vi f. 2 Op. cit. **24**.

Ceratipsocus nigrofasciatus Kolbe = (*Psocus spectosus* Aaron and *tolteca* Banks), ENDERLEIN (318) Stettiner ent. Ztg. **67**.

Cladioneura gen. n. (404) *pulehripennis* sp. n. Australien (405), ENDERLEIN Zool. Jahrb. Syst. **23**.

Clematostigma gen. n. type *Copostigma maculiceps*, ENDERLEIN (403) T.c.—*C. schillei* sp. n. Java, ENDERLEIN (310) Stettiner ent. Ztg. **67**.

Dasyopsocus gen. n. (250) *japonicus* sp. n. Japan (251), ENDERLEIN Zool. Jahrb. Syst. Jena **23**.

Echmepteryx mihara (43 but *mihira* 107), *sericea* (108), Ceylon, ENDERLEIN *Spolia Zeylan.* **4** 1906, spp. n.—*E. hageni* Pack. (as *Amphientomum*) = (*agilis* Aaron), ENDERLEIN (320) Stettiner ent. Ztg. **67**.

Ectopsocus strauschi sp. n. Canarische Ins., ENDERLEIN (315) Stettiner ent. Ztg. **67**.—*E. froggatti* sp. n. Australien, ENDERLEIN (407) Zool. Jahrb. Syst. **23**.—*E. ribagai* sp. n. Brasilien, ENDERLEIN (83) Op. cit. **24**.

Elipsocus punctatus California, BANKS (1) Philadelphia Tr. Amer. ent. Soc. **32**, sp. n.

Graphocaccilius luridus sp. n. Peru, ENDERLEIN (314) Stettiner ent. Ztg. 67.

Hemipsocus hyalinus sp. n. Japan, ENDERLEIN (311) T.c.

Hemiscopsis gen. n. for *Amphientomum fulleborni* Enderl., ENDERLEIN (73) Spolia zeylan. 4 1906.

Ischnopteryx pulchra sp. n. Mittel-Amerika (308), ENDERLEIN Stettiner ent. Ztg. 67.

Kolbea fusconervosa sp. n. Japan, ENDERLEIN (252) Zool. Jahrb. Syst. 23.

Lepium gen. n. *Perientominae*, *chrysochlorum* India, (81), *luridum* Ceylon (83), spp. n., ENDERLEIN Spolia Zeylan. 4 1906.

Lepolepis gen. n. *Lepidillidae* (112), *ceylonica* Ceylon sp. n. (113), ENDERLEIN T.c.

Matsumuraiella gen. n., *radiopicta* sp. n. Japan, ENDERLEIN (248) Zool. Jahrb. Syst. 23.

Meosopsocus unipunctatus var. *fasciatus* n., var. *bifasciatus* n., var. *subfuscus* n., ENDERLEIN Danzig Ber. bot.-zool. Ver. 28 (71-88).

Myopsocus muscosus sp. n. Japan, ENDERLEIN (254) Zool. Jahrb. Syst. 23.—*M. sumatranus* sp. n. Sumatra, ENDERLEIN Op. cit. 24 (87).

Nepticulomima gen. n. *Perientominae* (95), *sakuntala* (96), *essigkeana* (97), *chalconelas* (100), Ceylon, spp. n., ENDERLEIN Spolia zeylan. 4.

Paramphientomum gen. n., *nietneri* Ceylon sp. n., ENDERLEIN (63) T.c.

Paremptheria gen. n. (306) near *Psyllipsocus sauteri* sp. n. Japan (307), ENDERLEIN Stettiner ent. Ztg. 67.

Pentacladus gen. n., *eucalypti* sp. n. Australien, ENDERLEIN (408) Zool. Jahrb. Syst. 23.

Perientomum chrysargyrium (86), *greeni* (87), *ceylonicum* (92), *argentatum* (88), *acutipenne* (94), Ceylon, ENDERLEIN Spolia zeylan. 4, spp. n.—*P. brasiliense* sp. n. Brasilien, ENDERLEIN Zool. Jahrb. Syst. 24 (88).—*P. mortuum* full characters, MEUNIER (58-60) figs. 1-6; Naturaliste 1906; referred to *Thylax*, ENDERLEIN (77) Spolia zeylan. 4.

Peripsocus quercicola sp. n. Japan, ENDERLEIN (316) Stettiner ent. Ztg. 67.

Polypsocinae = (*Ptilopsocinae*), ENDERLEIN (320) T.c.

Psocus kurokianus (244), *tokyoënsis* (245), spp. n., Japan, ENDERLEIN Zool. Jahrb. Syst. 23.—*P. lignicola* sp. n. Australien, ENDERLEIN (401) T.c.—*P. californicus*, *floridanus*, *confraternus*, N. America, (2), *posticatus* Mexico, *minusculeus* Virginia, (3), BANKS Philadelphia Tr. Amer. ent. Soc. 32, spp. n.—*P. submarginatus* ab. n. *amphigerontoides* (317), *P. rufus* Walsh to *Pterodela* (319), *P. sparsus* Hag. and *P. virginianus* Banks to *Myopsocus*, ENDERLEIN Stettiner ent. Ztg. 67.

Reuterella helvimacula, male; GUERMONPREZ (57) pl. i Ent. Mag. London 42.

Scolopama gen. n. *Echinopsocinae*, *halterata* Ceylon sp. n., ENDERLEIN (110) Spolia zeylan. 4.

Scopsis gen. n. *Amphientomidae*, *vasantasena*, *metallops*, Ceylon, spp. n., ENDERLEIN (67) T.c.

Soa flaviterminata Ceylon, ENDERLEIN (79) T.c., sp. n.

Stenopsocus aphidiformis, *niger*, (249), *pygmaeus* (250), spp. n., Japan, ENDERLEIN Zool. Jahrb. Syst. 23.

Stimulopalpus gen. n. *Amphientomidae*, *japonicus* Japan sp. n., ENDERLEIN (65) Spolia zeylan. 4.

Syllysis erato (53), *ritusamhara* (57), Ceylon, ENDERLEIN T.c.; spp. n.

Tineomorpha gen. n. *Amphientomidae*, *greeniana* Ceylon sp. n., ENDERLEIN (49) T.c.

Tricladus gen. n., *froggatti* sp. n. Australien, ENDERLEIN (410) Zool. Jahrb. Syst. 23.

MALLOPHAGA.

Mallophaga; the genera, NEUMANN Paris Bul. soc. zool. 1906 (54-60).

Some structural points; FULMEK, Wien Verh. zool.-bot. Ges. 1906 (639-641).

Unsere Kenntnis von den Mallophagen; MÜLLER Danzig Ber. bot.-zool. Ver. 28 (1-3).

New hosts for Galapagos Mallophaga, KELLOGG (315-324) Philadelphia Pa. Trans. Amer. Ent. Soc. 32 1906.

Colpocephalum guiraensis (47) pl. ii f. 4, *burmeisteri* (48) f. 5, Argentina, KELLOGG New York J. Ent. Soc. 14, spp. n.

Degeriella nom. nov. pro *Nirmus* Nitzsch. 1818, NEUMANN (60) Paris Bull. Soc. zool. 31.

Dennyus nom. nov. pro *Nitzschia* Denny 1842, NEUMANN l.c.

Goniocotes abnormis sp. n. Argentina, KELLOGG (46) pl. ii f. 3 New York J. Ent. Soc. 14.

Laemobothorium gypsis sp. n. Transvaal, KELLOGG (62) Ent. News 17.—*L. caracaraensis* sp. n. Argentina, KELLOGG (48) pl. ii f. 6 New York J. Ent. Soc. 14.

Lipeurus bergi (45) pl. ii f. 1, *argentinus* (46) f. 2, Argentina, KELLOGG T.c., spp. n.

Menopon beckii sp. n. Galapagos, KELLOGG (322) Philadelphia Trans. Amer. Ent. Soc. 32.—*M. aegialitidis* sp. n., DURRANT Ohio Nat. 6.—*M. argentinus* sp. n. Argentina, KELLOGG (49) pl. ii f. 7 New York J. Ent. Soc. 14.

Nirmus ridgwayi sp. n. Galapagos, KELLOGG (317) Philadelphia Trans. Amer. Ent. Soc. 32.

Physostomum serratum, sub *hastatum* Colorado, DURRANT (528) Ohio Nat. 6, spp. n.—*P. merulae* (35), *cherriei* (36), Colorado, DURRANT op. cit. 7, spp. n.

Piagetella nom. nov. pro *Piagetia* Picaglia 1885, NEUMANN (60) Paris Bull. Soc. zool. 31.

Taschenbergius nom. nov. pro *Eurymetopus* Taschenberg, NEUMANN l.c.

TERMITIDAE.

The classification of *Termitidae*, HOLMGREN (523-529) Zool. Jahrb. Syst. 23.

Production of caste, SANDIAS Riv. ital. sc. nat. 26 (121-125).

Influence of Protozoan parasites on development, BRUNELLI Roma Rend. Acc. Lincei 15 1 (55-62).

Habits of fungus-growing Termites, DOFLEIN Ostasienfahrt, Kap. 21.

Termite als Pilzzüchter (ungarisch). GORKA Termt. Közl. Budapest 38 1906 (467-469) 2 Fig.

Termitophilous Insecta; vide p. 143.

Anoplotermes iheringi sp. n. Peru (606), *reconditus* Silv. Königin und Arbeiter (607), HOLMGREN Zool. Jahrb. Syst. 23.

Armitermes peruanus Peru (509), *neotenicus* Peru and Bolivia (571), spp. n.; *odontognathus* imago (567), HOLMGREN T.c.

Calotermes brouni forms described and figured, BROUN, 2, (5-11) pl. ii.

Capritermes talpa sp. n. Peru (560), *opacus villosus* subsp. n. (558), HOLMGREN Zool. Jahrb. Syst. 23.

Cornitermes cornutus Bolivia (549), *pilosus* (551), *labralis* (553), Peru, spp. n., HOLMGREN T.c.

Cryptotermes gen. n. (336), *cavifrons* sp. n. Florida (337), BANKS Ent. News 17.

Cubitermes gen. n. for *Termes bilobatus* Hav., WASMANN (573) Biol. Centralbl. 26.

Cylindrotermes gen. n., *nordenskiöldi* sp. n. Bolivia, HOLMGREN (542-544) Zool. Jahrb. Syst. 23.

Eutermes heteraspis Erythraea sp. n. (343), *terricola* winged forms (345), SILVESTRI Redia 3.—*E. chaquimayensis* (575), *major* (578), *obscurus* (580), *llinquipatensis* (585), *minor* (590), *minimus* (582), *robustus* (587), *rotundiceps* (591), *rotundatus* (589), *velox* (595), *longirostratus* (598), *nigricornis* (600), *convexifrons* (602), spp. n., Peru and Bolivia, HOLMGREN Zool. Jahrb. Syst. 23 (575-602).

Leucotermes tenuis imago soldier and worker, HOLMGREN (540-542) T.c.

Mirotermes macrocephalus sp. n. Bolivia, HOLMGREN (562) T.c.

Rhinotermes taurus, imago, soldiers and workers (531–536), *marginalis* neotenic ind. and imago (537–539), HOLMGREN T.C.

Spinitermes nigrostomus Bolivia (564), *gracilis* Peru (565), **spp. n.**, HOLMGREN T.C.

Termes chaquimayensis Bolivia **sp. n.** (547), *dirus* imago, soldiers, workers, HOLMGREN T.C.—*T. bellicosus*, two queens in one cell, SILVESTRI (342) Redia 3.

Termopsis laticeps **sp. n.** Arizona, BANKS (337) Ent. News 17.—*T. wrough-toni* = *radcliffei* Radd. full description) DESNEUX Bombay J. Nat. Hist. Soc. 17 293–298).

EMBIIDAE.

Zur Biologie der Embiiden. Neue Untersuchungen und Übersicht des Bekannten, mit Beiträgen über die Systematik und postembryonale Entwicklung mediterraner Arten. FRIEDERICH, Berlin Mitt. zool. Mus. 3 1906 (213–240).

Structure of ovary, relations of *Embiidae*, BRUNELLI Roma Rend. Acc. Lincei 15 1 (55–62).

Embia californica Los Angeles, BANKS (1) pl. i f. 1 Philadelphia Tr. Amer. ent. Soc., **sp. n.**

(*Oligotoma gurneyi*, Sydney, *O. agilis*, Wagga, N.S.W., FROGGATT Sydney N.S.W. Proc. Linn. Soc. 29 (672–673, pl. 20 f. 2–6) **spp. n.**)

PERLIDAE.

Classification and table of genera, BANKS (221–224) Canad. Entomol. 38.

Dictyopterygidae; monograph, KLA-PÁLEK Prag. Bull. Ac. Sci. Franç. Jos. 9 ii 1904.

Acroneuria pumila California, BANKS (335) Canad. Entomol. 38, **sp. n.**

Alloperla **gen. n.** type *Perla imbecilla* Say, BANKS (175) Ent. News 17.

Chloroperla, divided into *Isoperla* and *Alloperla*, BANKS T.C. (174–175).

Isoperla **gen. n.** type *Perla bilineata* Say, BANKS (175) T.C.—*I. sordida* California, *longiseta* Kansas, BANKS (337) Canad. Ent. 38, **spp. n.**

Leuctra grandis N. Carolina, BANKS (338) T.C., **sp. n.**

Neoperla **nom. n.** for *Pseudoperla*, BANKS (223) T.C.

Paraperla **gen. n.** for *Perlinella frontalis*, BANKS (222) T.C.

Perla luctuosa California, BANKS (336) T.C., **sp. n.**—*P. carolinensis* (3), *valida* (4), N. America, BANKS Philadelphia Tr. Amer. ent. Soc. 32, **spp. n.**

Perlesta **gen. n.** for *Perla placida* etc., BANKS (222) Canad. Entomol. 38.

Perlodes **nom. n.** for *Dictyopteryx*, BANKS (223) T.C.

Perlomyia **gen. n.**, *collaris* **sp. n.** Brit. Columbia, BANKS (338) T.C.

Pteronarcys spinosa **sp. n.** Oregon, BANKS (8) Washington Proc. Ent. Soc. 8.

EPEMERIDAE.

Contributions à organisation des larves des Ephémérides. POROVICI-BAZNOȘANU Arch. zool. Paris 5 Notes et revue (Lxxvi–Lxxviii).

Vaisseaux sanguins caudaux chez les Ephémérides adultes. POROVICI-BAZNOȘANU Paris C.-R. soc. biol. 60 (1049–1050).

Short notes of Polish *Epheméridae* (in Polish), *Polymitarcys virgo* etc., DZIEDZIELEWICZ Kosmos Lwów 31 (387–390).

†*Ephemeropsis middendorfi*, Sibirien Malm, HANDLIRSCH (604) Fossil Ins. sp. n.

†*Mesephemera* gen. n. for *Ephemera procera* Hag. (600), *weyenberghi* sp. n. Kalk Bayern (601), HANDLIRSCH T.c.

†*Paedephemera* gen. n. (601), for *Ephemera multinevosa* Opp., *oppenheimi*, *schwertschlägeri*, spp. n. Kalk Bayern, HANDLIRSCH (602) T.c.

†*Phacelobranthus* gen. n., *braueri* sp. n. Sibirien Malm, HANDLIRSCH (604) T.c.

Rhithrogena henschii Kesmark, KLA-PÁLEK (5) Prag Rozpr. Coske Ak. 15, sp. n.

Tricorythus; COCKERELL and GILL, Boulder Univ. Colo. Stud. (135-137).

ODONATA.

Morphology and development of gonapophyses of *Odonata*, van der WEELE's Gravenhage Tijdschr. Ent. 49, (99-198) plates vi-viii.

Müller's work on Danish *Odonata*; PETERSÉN (251-254) Ent. Mag. London 42.

Prey of *Odonata* in Britain, POULTON (398-401) London Trans. ent. Soc. 1906.

Beitrage zur Metamorphose der Libellen. HAUPT Wochenschr. Aquarienkunde Braunschweig 3 (382-384).

Orthopteren- und Odonatenfauna des Gouvernement Novgorod (Russ.). GRIGORJEV St. Peterburg Ber. Süßwasserst. Naturf. Ges. 2 (65-68).

Nervation of Permian *Odonata*, SELLARDS (249-258) Amer. J. Sci. 22.

Observations and experiments on dragon-flies in brackish water. OSBURN Amer. Nat. 1906 (395-399).

Copulation of *Odonata*; WILLIAMSON and CALVERT Ent. News 17 (143-148), pl. vii.

Oogenesis; MCGILL Zool. Jahrb. Abt. f. Anat. 23 (207-230) mit 5 Taf..

Changements de coloration chez les mâles, PICARD Paris Bull. soc. ent. 1906 (166-167).

Aeschna usambarica sp. n. Usambara, FÖRSTER (48) Mannheim Jahresber. Ver. Nath. 71-72.

†*Aeschniidae* fam. n. for *Aeschnidium* and *Urogomphus*, HANDLIRSCH (593) Fossil. ins.

†*Aeschnogomphus* gen. n. for *Anax intermedius* Hag., HANDLIRSCH (590) T.c.

Agriocnemis pruinescens (191), *argentea* (192), Queensland, TILLYARD Sydney N.S.W. Proc. Linn. Soc. 31, spp. n.

Agrioptera insignis? Australia, TILLYARD (485) T.c.

Alloneura solitaria (182), *coelestina* (184), Queensland, TILLYARD T.c., spp. n.

Anatya normalis, *guttata* and *theresia*; CALVERT (244-246) Biol. Centr.-Amer. Neuropt.

†*Anisophlebia* gen. n. *Isophlebiidae*, for *Isophlebia helle* Hag., HANDLIRSCH (584) Fossil. Ins.

†(*Anisozygopteron*) *geinitzianum* Lias Mecklenburg, HANDLIRSCH (470) T.c., sp. n.

†*Anomothemis* gen. n., *brevistigma* sp. n. Lias Mecklenburg, HANDLIRSCH (470) T.c.

†*Archithemis* gen. n. for *Diastatomma liasina* Gein., HANDLIRSCH (446) Fossil. Ins.

Argiolestes aureus Queensland, TILLYARD (178) Sydney N.S.W. Proc. Linn. Soc. N. S. Wales 31, sp. n.

Atoneura leopardina sp. n. Usambara, FÖRSTER (38) Mannheim Jahresber. Ver. Natk. 71-72.

Austrogomphus arbustorum (547) f. 1, *arenarius* (549) f. 2, *prasinus* (552) f. 3, Queensland, TILLYARD Sydney Proc. Linn. Soc. N.S.W. 30, spp. n.

Brechmorhoga vivax sp. n. Centr. America (280) pl. viii figs. 46-48, CALVERT Biol. Centr.-Amer. Neuropt.

Camaphila, species tabulated (239, 240); *vibex* Hag. pl. viii f. 35, (243); CALVERT T.c.

Ceriagrion glabrum Burm., an African sp. in Australia, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **31** (191).

Crocothemis ikutana sp. n. Brit. Ostafrika, FÖRSTER (271) Mannheim Jahresber. Ver. Natk. **71-72**.—*C. erythraea* subsp. n. *pygmaea*, FÖRSTER T.c.—*C. erythraea* new for Australia TILLYARD, Sydney N.S.W. Proc. Linn. Soc. **31** (483) fig.

†*Diastotomidae* fam. n. for *Diastotomma* Gieb., HANDLIRSCH (465) Fossil. Ins.

Diplacodes tetra subsp. n. *unimacula*, FÖRSTER (307) Wiesbaden Jahr. Ver. Natk. **59**.—*D. trivialis* Ramb., *D. nebulosa* Fabr. new for Australia, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **31** (484).

Disparoneura alba sp. n. N.O. Afrika, FÖRSTER (338) Wiesbaden Jahrb. Ver. Natk. **59**.—*D. simba* Brit. East Africa, MARTIN (509) Bul. Mus. Paris 1906, sp. n.

Dythemis maya Mexico (275) pl. viii f. 45, *cannacrioides* Centr. and S. America (276) figs. 43 and 44, CALVERT Biol. Centr.-Amer. Neuropt., spp. n.

†*Epallagidae* fam. n., HANDLIRSCH (596) Fossil. Ins.

Ephidatia longipes Hag., *cubensis* Scudd., CALVERT (216, 217) Biol. Centr.-Amer. Neuropt.

Erythemis rufa. Ramb. new for Australia, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **31** (483) fig.

Erythrodiplax; species characters, variation, synonymy (247-268), *E. ochracea* Burm. pl. ix f. 40, (255), *erichsoni* Kirby f. 42 (256); CALVERT, Biol. Centr.-Amer. Neuropt.—*Erythrodiplax berenice* and *Dythemis naeva*; CALVERT Ent. News **17** (99).

†*Euphaeopsis* gen. n. *Epallagidae* for *Euphaea multinervis* Hag., HANDLIRSCH (596) Fossil. Ins.

Gomphidae: taxonomy, FÖRSTER (322), Wiesbaden Jahrb. Ver. Naturk. **59**.

Hemistigmoides deceptor, FÖRSTER (304) T.c.

†*Heterothemis* gen. n., *germanica* sp. n. Lias Mecklenburg, HANDLIRSCH (468) Fossil. Ins.

†*Heterophlebiidae* fam. n. for *Heterophlebia* Br. and W. (466), HANDLIRSCH T.c.

Heterophlebia geinitzi Lias Mecklenburg, Id. (467) T.c.

Hylaeagrion gen. n., *argenteolineatum* sp. n., FÖRSTER Insektenbörse Leipzig **23** (15-16).

Ischnura abyssinica (512), *elongata*, *urnifera*, (513), East Africa, MARTIN Bul. Mus. Paris 1906, spp. n.—*Ischnura*; taxonomy (334); *I. (Micronympha) schoana* sp. n. N. O. Afrika (332), FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59**.—*I. fragilis* Queensland, TILLYARD (186) Sydney N.S.W. Proc. Linn. Soc. **31**, sp. n.

†*Isophlebiidae* fam. n. for *Isophlebia* Hag., HANDLIRSCH (583) Fossil. Ins.

Lestes somalicus sp. n. N. O. Afrika, FÖRSTER (339) Wiesbaden Jahrb. Ver. Natk. **59**.—*L. rothschildi* East Africa, MARTIN (508) Bul. Mus. Paris 1906, sp. n.—*L. tenuissimus* (179), *paludosus* (181), Queensland, TILLYARD Sydney N.S.W. Proc. Linn. Soc. N. S. Wales **31**, spp. n.—*L. leda* life-history, TILLYARD (409-423) plates xxxii and xxxiii T.c.

Leucorhinia parvula Müll. = (*dubia* Lind.); *L. tridra* Müll. = (*caudalis* Charp.), PETERSÉN (252, 253) Ent. Mag. London **42**.

†*Liadothemis* gen. n., *hydrodictyon* sp. n. Lias Mecklenburg, HANDLIRSCH (469) Fossil. Ins.

Libellago auripes sp. n. Usambara, FÖRSTER (54) Mannheim Jahresber. Ver. Natk. **71-72**.—*L. caligata* = (*hartmanni* Först.), FÖRSTER (331) Wiesbaden Jahrb. Ver. Naturk. **59**.

Libellula luctuosa = (*basalis* Say), CALVERT Ent. News **17** (30).

Macrodiplax lycoris Selys new for Australia, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **31** (484).

Macromia pallidinervis (317), *monoceros* (319), *bicornis* (320), N. O. Afrika, spp. n., FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59**.—*M. tillyardi* (Martin) Australia, TILLYARD (491) Sydney N.S.W. Proc. Linn. Soc. **31**, sp. n.

Macrothemis inequinguis to *Brechmorhoga*, CALVERT (236) Biol. Centr.-Amer. Neuropt.

† *Malmagrion* gen. n. for *Agrion eichstaltense* Hag., HANDLIRSCH (599) Fossil. ins.

† *Mesogomphus* gen. n. for *Libellula petrificata* Hag. and *L. jurassica* Gieb., HANDLIRSCH (592) Fossil ins.

Mesogomphus gen. n. Gomphidae, *nguelicus* (323), *bitarsatus* (325), spp. n., N. O. Afrika, FÖRSTER Wiesbaden Jahrb. Ver. Natk. 59.

† *Mesuropetala* gen. n. for fossil *Uropetala*, HANDLIRSCH (588) Fossil. ins.

Micrathyria dissocians Mexico and Porto Rico pl. ix figs. 19-21 (226), *schumanni* Central America pl. viii figs. 39 and 40 pl. ix f. 24 (227); CALVERT Biol. Centr.-Amer. Neuropt., spp. n.—*M. didyma* Selys pl. ix f. 12 (223), *atra* Martin figs. 13-15, *hageni* Kirb. figs. 16-18, (225), *ocellata* Mart. figs. 22 and 23 (226), *debilis* Hag. figs. 25-27 (229), *eximia* Kirb. figs. 28-30 (230), CALVERT T.c.

† *Nannogomphus* gen. n. (586), *bavariensis* sp. n. Kalk Bayern (587), HANDLIRSCH Fossil. Ins.

Nehalennia speciosa, colour variation; RIS (159-165) Bern Mitt. schweiz. ent. Ges. 11.

Neocharis gen. n. (68), *cothurnata* sp. n. Surinam (70), FÖRSTER Mannheim Jahresber. Ver. Natk. 71-72.

Neocysta Kirby, merged in *Orthemis*; CALVERT (332) Biol. Centr.-Amer. Neuropt.

Neodythemis miraculosa sp. n. Usambara, FÖRSTER (31), Mannheim Jahresber. Ver. Natk. 71-72.

Nephepeltia flavifrons Karsch (as *Neothemis*) (230), *phryne* Perty pl. ix figs. 31-33 (231); CALVERT Biol. Centr.-Amer. Neuropt.

Orthemis ferruginea Fabr. pl. ix f. 34 (234); *O. bolleyi* Costa Rica pl. ix figs. 36 and 37 (237), *levis* Centr. and S. America figs. 38 and 39 (238), spp. n.; CALVERT T.c.

† *Oryctothemis* gen. n., *hageni* sp. n. Lias Cheltenham, HANDLIRSCH (469) Fossil. Ins.

† *Parellthothemis* gen. n., *dobbertinensis* sp. n. Lias Mecklenburg, HANDLIRSCH (470) T.c.

† *Petrothemis* gen. n., *singularis* sp. n. Lias Mecklenburg, HANDLIRSCH (469) T.c.

† *Pheugothemis* gen. n. for *Libellula westwoodi* Phill., HANDLIRSCH (593) T.c.

Philonomon gen. n. *Libellulidae* (308), *erlangeri* N. O. Afrika (310) sp. n., FÖRSTER Wiesbaden Jahrb. Ver. Natk. 59; and Mannheim Jahresber. Ver. Natk. 71-72.

Plathemis subornata, WILLIAMSON Ent. News 17 (351).

Podogomphus dendrohyrax sp. n. Usambara, FÖRSTER (326) Wiesbaden Jahrb. Ver. Natk. 59.

† *Protomyrmeleonidae* fam. n. for *Protomyrmeleon* Geinitz, HANDLIRSCH (471) Fossil. Ins.

Pseudagrion acaciae Transvaal (56), *sikorae* Réunion (59), *sjustedti* Kamerun (62), *aleicorne* Madagaskar (64), spp. n., FÖRSTER Mannheim Jahresber. Ver. Natk. 71-72.—*P. bicocculans* East Africa MARTIN (511) Bul. Mus. Paris 1906, sp. n.—*P. ignifer* (188), *aureofrons* (189), Queensland, TILLYARD Sydney N.S.W. Proc. Linn. Soc. 31, spp. n.

† *Pseudoeuphaea* gen. n. (596), for *Euphaea areolata* Hag., *falsificata*, *obscura*, spp. n., (597), Kalk Bayern, HANDLIRSCH Fossil. ins.

Pseudoleon superbus Hag., CALVERT (214-216) Biol. Centr.-Amer. Neuropt.

Rhyothemis alcestitis Queensland, TILLYARD (482) Sydney N.S.W. Proc. Linn. Soc. 31, sp. n.

Sapho iridipennis subsp. n. *occidentalis*, FÖRSTER (330) Wiesbaden Jahrb. Ver. Natk. 59.

Skiallagma gen. n. *Agrionidae*, *baueri* sp. n., FÖRSTER Insektenbörse Leipzig 23.

Somatochlora; *semicircularis* group, WILLIAMSON Ent. News 17 (133-139) pls. v and vi.

† *Steleopteron* gen. n. *Steleopteridae* fam. n., *deichmulleri* sp. n. Kalk Bayern, HANDLIRSCH (598) Fossil. ins.

† *Stenophlebiidae* fam. n. for *Stenophlebia* Hag., HANDLIRSCH (581) T.c.

Sympetrum variegatum, Müll. = (*striolatum* Charp.) PETERSÉN (252) Ent. Mag. London 42.—*S. vulgatum* and *striolatum*

characters, LUCAS (xcvii, xcvi) figs. 1 and 2, London Proc. ent. Soc. 1906.—*S. nigra* Queensland, TILLYARD (489) Sydney N.S.W. Proc. Linn. Soc. **31**, sp. n.

†*Tarsophlebia major* (580), *longissima* (581), Kalk Bayern, HANDLIRSCH Fossil. Ins., spp. n.

†*Tarsophlebiidae* fam. n. for *Tarsophlebia* Hag., HANDLIRSCH (467) T.c.

Tauriphila azteca Mexico, CALVERT (298) Biol. Centr.-Amer. Neuropt., sp. n.

Termitophorba gen. n. *Libellulidae* (305), *rufina* sp. n. N. O. Afrika (306) pl. A f. 7, FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59**; and Mannheim Jahresber. Ver. Natk. **71-72**.

Tetrathemis flavescens Kirby new to Australia, TILLYARD Sydney N.S.W. Linn. Soc. **31** (487) fig.

Thermagrion gen. n., *webbianum* sp. n. N. O. Afrika (336), FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59**.

Tholymis citrina Hag. pl. ix figs. 9-11 (220), CALVERT Biol. Centr.-Amer. Neuropt.

Tramea incerta = (*Libellula basalis* Burm.) CALVERT (30) Ent. News **17**.

Trithemis erlangeri (312) pl. A f. 5, *ellenbeckii* (314) f. 6, spp. n., N. O. Afrika, FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59**.—*T. pluvialis* sp. n. Usambara, FÖRSTER (30) Mannheim Jahresber. Ver. Natk. **71-72**.

†*Tupus* gen. n. *permanian* sp. n. Permian of Kansas, SELLARDS (249-258) Amer. J. Sci. **22**.

Umma declivium sp. n. Usambara, FÖRSTER (51) Mannheim Jahresber. Ver. Natk. **71-72**.

Uracis imbuta Burm. pl. ix f. 6 (218), *fastigiata* Burm. figs. 7 and 8 (219), CALVERT Biol. Centr.-Amer. Neuropt.

†*Urogomphus* gen. n. for *Aeschna gigantea* Germ. etc., HANDLIRSCH (594) Fossil. ins.

Urothemis sanguinea, designata pl. A figs. 1-3 (316), FÖRSTER Wiesbaden Jahrb. Ver. Natk. **59**.

Zygonyx komatina sp. n. Transvaal, FÖRSTER (25) Mannheim Jahresber. Ver. Natk. **71-72**.

Zyxomma petiolata description, habits, TILLYARD (480-482) Sydney N.S.W. Proc. Linn. Soc. **31**.

(N-9720 j)

The memoir to which the following entries of Odonata refer was recorded in the Zoological Record, 1904.

(*Davidius fruhstorferi* MARTIN, Mission Pavie **3**, sp. n.)

(*Dysphaea basitincta* MARTIN, T.c. sp. n.)

(*Echo maxima* MARTIN, T.c. sp. n.)

(*Gomphidia krügeri* MARTIN, T.c. sp. n.)

(*Gomphus vermicularis* MARTIN, T.c. sp. n.)

(*Hagenius gigas* MARTIN, T.c. sp. n.)

(*Heterogomphus unicolor* MARTIN, T.c. sp. n.)

(*Macromia septima* (Selys in coll.) MARTIN, T.c. sp. n.)

(*Merogomphus* gen. n., *paviei* sp. n., MARTIN, T.c.)

(*Onychogomphus camelus* MARTIN, T.c. sp. n.)

(*Orolestes octomaculata* MARTIN, T.c. sp. n.)

(*Heterogomphus naninus* Tonkin, FÖRSTER, Entomol. Ztg. Wien **24** 1905 (19), sp. n.)

(*Heterogomphus smithii* Selys, Rassenbildung, FÖRSTER, Entomol. Ztg. Wien **24** 1905 (21).)

(*Ischnura heterosticta* Burm., dimorphism of female, TILLYARD Sydney N.S.W. Proc. Linn. Soc. **30** (302-306).)

(*Toaeschna* gen. n. (21), *fontinalis*, Tonkin, sp. n., (24), FÖRSTER, Entomol. Ztg. Wien **24** 1905 (21).)

†FOSSILS, OF EXTINCT ORDERS.

The classification of Insects, recent and fossil, HANDLIRSCH, Die fossilen Insekten; 4 parts Leipzig, 1906. To be completed in eight parts. In recording this work we have followed the classification of the author in so far as it relates to extinct orders of Insects. These are therefore arranged apart; but the novelties pertaining to existing orders are placed in our Record under their appropriate headings. The others we now deal with below. For a translation of the portions of the work relating to American fossil insects vide HANDLIRSCH, **2**. A portion of this

translation appeared before the original; hence some of the novelties are to be considered as named for the first time in the translation. Unfortunately the references to the original work are incomplete in the translation, so that many forms have the false appearance of being there described for the first time. A part of the translation may, however, have preceded in publication the corresponding part of the original work.

CARBONISCHE FORMATION.

Ordnung Palaeodictyoptera.

(*Paläodictyopteron*) *anglicanum* England (62) pl. viii f. 16, *mazonum*, *latipenne*, *virginianum*, (63), N. America, HANDLIROSH FOSS, Ins., spp. n.

Mammia gen. n., *alutacea* sp. n. N. America, HANDLIROSH (68) T.c.

Titanodictya gen. n. for *Titanophasma jueunda* Scudd., HANDLIROSH (68) T.c.

Anagesthes gen. n. for *Termes affinis* Gold., HANDLIROSH (71) T.c.

Sagenoptera gen. n. for *Termes formosus* Gold., HANDLIROSH (72) T.c.

Acanthodictyon gen. n. for *Termes decheni* Gold., HANDLIROSH l.c.

Eumecoptera gen. n. for *Termes laxus*, HANDLIROSH (73) T.c.

Stilboerocis gen. n. for *Termes heeri* Gold., HANDLIROSH (74) T.c.

Dictyoncurula gen. n. for *Dictyoncura gracilis* Kl., with *kliveri* sp. n. Rheinland, HANDLIROSH (75) T.c.

Gegenemene gen. n. for *Dictyoncura sinuosa*, HANDLIROSH (76) T.c.

Dictyoncura macrophlebia (Gold.) Rheinland, HANDLIROSH (78) T.c., sp. n.

Peromapteridae fam. n. for *P. filholi* Brongn., HANDLIROSH (79) T.c.

Megaptilidae fam. n. for *M. blanchardi* Brongn., HANDLIROSH (80) T.c.

Hypermegethes gen. n. *Hypermegethidae* fam. n. *schucherti* sp. n. N. America, HANDLIROSH (81) T.c.

Mecynopteridae fam. n. for *M. splendida* Handl., HANDLIROSH (82) T.c.

Lithomantidae fam. n. for *L. carbonaria* Woodw. and *Lithosialis* Scudd., HANDLIROSH (82) T.c.

Hadroneuria gen. n. for *Gryllaeris bohémica* Now., HANDLIROSH (84) T.c.

Eurytaenia gen. n., *virginiana* sp. n. N. America, HANDLIROSH (86) T.c.

Eurythmopteryx gen. n., *antiqua* sp. n. N. America, HANDLIROSH (86) T.c.

Propalingenia gen. n. for *Pal. feistmanteli* Fritsch, HANDLIROSH (86) T.c.

Catadyesthus gen. n. for *Aeridites priscus* Andr., HANDLIROSH (87) T.c.

Lycocercus gen. n. *Lycocercidae* fam. n. for *Dictyoncura goldenbergi* Brongn., with *brongniarti* sp. n. France, HANDLIROSH (90) T.c.

Homoiopteridae fam. n., HANDLIROSH (91) T.c.

Graphiptiloides gen. n. for *Graphiptilus williamsoni* Brongn., HANDLIROSH (92) T.c.

Homoeophlebia gen. n. for *Homoioptera gigantea* Agnus, HANDLIROSH (93) T.c.

Heolus gen. n. *Heolidae* fam. n. (94), *providentiae* sp. n. Rhode island (95), HANDLIROSH T.c.

Breyeriidae fam. n. for *Breyeria borinensis* de Borre, HANDLIROSH (95) T.c.

Megaptiloides gen. n. for *Megaptilus brodiei* Brongn., HANDLIROSH (97) T.c.

Fouqueidae fam. n. for *Fouquea Brogn.*, HANDLIROSH (98) T.c.

Graphiptilidae fam. n. with *Apopappus* gen. n. for *Spilaptera guernei* Brongn., HANDLIROSH (100) T.c.

Epitethe gen. n. for *Spilaptera meunieri* Brongn., HANDLIROSH (103) T.c.

Homalonneurina gen. n. for *Homalonneurina bonnierii* Brongn., HANDLIROSH (106) T.c.

Homalonneurites gen. n. for *Homalonneurina joannae* Brongn., HANDLIROSH (107) T.c.

Polycreagra gen. n. *Polycreagridae* fam. n. (110), *elegans* sp. n. N. America (111), HANDLIROSH T.c.

Eubleptus gen. n. *Eubleptidae* fam. n. (111), *danielsi* sp. n. N. America (112), HANDLIROSH T.c.

Metropator gen. n. *Metropatoridae* fam. n., *pusillus* sp. n. N. America, HANDLIROSH (112) T.c.

Brodiidae fam. n. for *Brodia* Scudd., HANDLIRSCH (113) T.c.

Paoliidae fam. n. for *Paolia* Sm., HANDLIRSCH (114) T.c.

Stygne gen. n. *Stygnidae* fam. n. (115), *roemeri* sp. n. Silesia (116), HANDLIRSCH T.c.

Aenigmatodes gen. n. *Aenigmatodidae* fam. n., *danielsi* sp. n. N. America, HANDLIRSCH (116) T.c.

Paramegaptilus gen. n. for *Megaptilus scudderi* Brongn., HANDLIRSCH (118) T.c.

Breyeriodes gen. n., *klivei* sp. n. Rheinland, HANDLIRSCH (118) T.c.

Campteroneura gen. n., *reticulata* sp. n. N. America, HANDLIRSCH (118) T.c.

Orthogonophora gen. n., *distincta* sp. n. N. America, HANDLIRSCH (119) T.c.

Bathytaptus gen. n., *falcipennis* sp. n. N. America, HANDLIRSCH (119) T.c.

Palaiotaptus gen. n., *mazonus* sp. n. N. America, HANDLIRSCH (119) T.c.

Leipsanon gen. n., *reticulatum* sp. n. Belgium, HANDLIRSCH (120) T.c.

Pseudopaolia gen. n. for *Paolia lacoana* Scudd., HANDLIRSCH (120) T.c.

Parapaolia gen. n. for *Paolia superba* Scudd., HANDLIRSCH (121) T.c.

Pseudohomothetus gen. n. for *Hom. erutus* Matth., HANDLIRSCH (121) T.c.

Pseudopalingenia gen. n. for *Pal. feistmanteli* Fritsch, HANDLIRSCH (124) T.c.

Pseudofouquea gen. n. for *F. cambrensis* All., HANDLIRSCH (125) T.c.

(*Palaeodictyopteron*) *mazonum*, *latipenne*, *virginianum* spp. n., N. America, HANDLIRSCH, Washington U.S. Nat. Mus. Proc. 29 (688).

(*Palaeodictyopteron*) *higginsii* sp. n. England, HANDLIRSCH (125) Fossil. Ins.

Ordnung *Mixotermioidae* Ord. n. for *Mixotermes* and *Geroneura*, HANDLIRSCH (127) T.c.

Ordnung *Reculoidea* Ord. n. (127) *Reculidae* fam. n., *Reenla* gen. n., *parva* sp. n. Sachsen (128), HANDLIRSCH T.c.

Ordnung *Protorthoptera* ord. n.

Spaniodera gen. n. *Spanioderidae* fam. n., *ambulans* sp. n. N. America, HANDLIRSCH (129) T.c.

(N-9720 j)

Gyrophlebia gen. n., *longicollis* sp. n. N. America, HANDLIRSCH (129) T.c.

Camptoplebia gen. n. for *Dictyoneura clarinervis* Mel., HANDLIRSCH (130) T.c.

Paracheliphlebia gen. n. for *C. ex-tensa* Mel., HANDLIRSCH (131) T.c.

Metacheliphlebia gen. n. for *C. elongata* Scudd., HANDLIRSCH (132) T.c.

Discomurites gen. n. for *Di. rigidus* Scudd., HANDLIRSCH (133) T.c.

Mctryia gen. n., *analisis* sp. n. N. America, HANDLIRSCH (133) T.c.

Ischnoneuridae fam. n. for *Ischnoneura* Brongn., HANDLIRSCH (133) T.c.

Cnemidolestes gen. n. *Cnemidolestidae* fam. n., for part of *Protophasma*, HANDLIRSCH (135) T.c.

Prototettigidae fam. n. for *Prototettix* Gieb., HANDLIRSCH (135) T.c.

Homalophlebiidae fam. n. (136) T.c.

Parahomalophlebia gen. n. for *H. courtini* Brongn., HANDLIRSCH (137) T.c.

Protokollariidae fam. n. for *Protokollaria* Brongn., HANDLIRSCH (137) T.c.

Pachytylopsidae fam. n. for *Pachytylopsis* de Borre, HANDLIRSCH (129) T.c.

Thoronyxis gen. n. for *Oedischia ingbertensis*, Id. T.c.

Laspeyresidae fam. n. for *Laspeyresia* Schl., HANDLIRSCH (140) T.c.

Caloneuridae fam. n. for *Caloneura* Brongn. Id. l.c.

Sthenaropodidae fam. n. for *Sthenaropoda* Brongn. Id. (141).

Oedischidae fam. n. for *Oedischia* Brongn., HANDLIRSCH (142) T.c.

Progenetomum gen. n. *carbonis* sp. n. N. America, Id. (145) T.c.

Omalidae fam. n. for *Omalia* Van Beu., Id. (145) T.c.

Geraridae fam. n. for *Gerarus* Scudd., Id. (146) T.c.

Gerarus longus, *danielsi*, (147), *angustus* (148), N. America, Id. T.c., spp. n.

Geraroides gen. n. for *Dieconeura maxima* Mel., HANDLIRSCH (704) Washington U.S. Nat. Mus. 29.

Sthenaroceridae fam. n. for *Sthenarocera* Scudd., Id. (149) Fossil. Ins.

Ordnung **Protoblattoidea** ord. n.,
HANDLIRSCH (151) T.c.

(*Protoblattoidea*) *sellardsi*, *minor*, N.
America, **spp. n.**, Id. (152) T.c.

Stenoneuridae fam. n. for *Stenoneura*
Brongn., Id. l.c.

Stenoneurites **gen. n.** for *maximi*
Brongn., Id. (153) T.c.

Eoblatta **gen. n.** *Eoblattidae* fam. n.
for *Leptoneura robusta* Brongn., Id. (155)
T.c.

Oryctoblattinidae fam. n. (155) T.c.

Oryctoblattina americana, *latipennis*,
N. America, Id. (157) T.c., **spp. n.**

Blattinopsis anthracina N. America,
HANDLIRSCH (160) T.c., **sp. n.**

Glaphyrophlebia **gen. n.**, *pusilla* **sp. n.**
N. America, Id. (161) T.c.

Aetophlebiae fam. n. for *Aetophlebia*
Scudd., Id. T.c. (163).

Cheliphlebiae fam. n. for *Cheliphle-*
biae Scudd., Id. T.c. (164).

Eucaenidae fam. n. (164), *Eucaenus*
rotundatus **sp. n.** (165), Id. T.c.

Gerapompidae fam. n. for *Gerapompus*
Scudd., *G. schucherti* **sp. n.** N. America,
Id. (166) T.c.

Adiphlebiae fam. n. for *Adiphlebia*
Scudd., Id. T.c. (167).

Anthracoathremmidae fam. n. for *An-*
thracoathremma Scudd., Id. T.c. (169).

Megalometer **gen. n.**, *lata* **sp. n.** N.
America, HANDLIRSCH (169) T.c.

Pseudetoblattina **gen. n.** for *Etoblat-*
tina reliqua Scudd., Id. (169) T.c.

Agogoblattina **gen. n.** for *Oryctoblat-*
tina occidua Scudd., HANDLIRSCH (170)
T.c.

Polyetes **gen. n.**, *furcifer* **sp. n.** N.
America, Id. T.c. (170).

For Fossil BLATTOIDEA *vide* p. 440
BLATTIDAE.

Ordnung **Hadentomoidea**, Ord. nov.

Hadentomum **gen. n.**, *americanum*
sp. n., N. America, HANDLIRSCH (693)
Washington U.S. Mus. Proc. 29.

Ordnung **Hapalopteroidea**, Ord. nov.

Hapaloptera **gen. n.**, *gracilis* **sp. n.** N.
America, HANDLIRSCH (694) Washington
U.S. Nat. Mus. Proc. 29.

Ordnung **Protodonata**.

Protagrionidae fam. n. for *Protagrion*,
HANDLIRSCH (304) Fossil. Ins.

Meganeuridae fam. n. for *Meganeura*
Brongn., Id. (306) T.c.

Meganeura bronniarti (308), *fafuir*
(309), Commentry, Id. T.c., **spp. n.**

Palaeotherates **gen. n.**, *P. pennsylvani-*
cus **sp. n.** N. America, HANDLIRSCH
(690) Washington U. S. Nat. Mus. 29.

Meganeurula **gen. n.** for *Meganeura*
selysii Brongn., HANDLIRSCH (310) T.c.

Paralogidae fam. n. for *Paralogus*
aeschnoides Scudd., Id. (310) T.c.

Ordnung **Protephemeroidea** Ord. n.

Triplosoba **gen. n.** *Triplosobidae* fam.
n., for *Blanchardia pulchella* Brongn.,
HANDLIRSCH (312) Fossil. Ins.

Ordnung **Megasecoptera**.

Diaphanopteridae fam. n. for *Diapha-*
noptera Brongn. and *Campyloptera*
Brongn., HANDLIRSCH (315) Fossil. Ins.

Mischopteridae fam. n., Id. (316) T.c.

Rhaphidiopsidae fam. n. for *Rhaphi-*
diopsis Scudd., Id. (319) T.c.

Adiaphtharsia **gen. n.**, *A. ferrea*
sp. n. N. America, HANDLIRSCH (691)
Washington U. S. Nat. Mus. 29.

Ordnung **Protoblattoidea**, Permische
Formation.

Oryctomylabris **gen. n.** for *Oryctoblat-*
tina oblonga Deichm., HANDLIRSCH (346)
Fossil. Ins.

Pseudofulgora **gen. n.** for *Fulgora*
ebersi Dohrn, Id. (347) T.c.

Ordnung **Protohemiptera** Ord. n. for
Eugereon boeckingi Dohrn, HANDLIRSCH
(387) Fossil. Ins.

Ordnung **Palaeohemiptera**.

Prosbolidae fam. n. for *Prosbola*
Handl., HANDLIRSCH (390) T.c.

Scytinopteridae fam. n. for *Scytino-*
ptera Handl., Id. (391) T.c.

Dysmorphoptila **gen. n.** *Dysmorpho-*
ptilidae fam. n., for *Belostoma liasina*
Gieb., HANDLIRSCH (492) T.c.

Incertae sedis.

Parahaplophlebiium **gen. n.** for *Haplo-*
phlebiium longipeunis Scudd., HAND-
LIRSCH (803) Washington U. S. Nat. Mus.
Proc. 29.

Pseudopolyernus gen. n. for *Polyernus laminarum* Scudd., HANDLIRSCH (803) Washington U. S. Nat. Mus. Proc. 29.

Pseudogerarus gen. n., *scudderi* sp. n. N. America, HANDLIRSCH (804) T.c.

Aziologus gen. n., *thoracicus* sp. n. N. America, HANDLIRSCH (805) T.c.

Endoiasmus gen. n., *reticulatus* sp. n. N. America, HANDLIRSCH (805) T.c.

Archimastax gen. n., *americanus* sp. n. N. America, HANDLIRSCH (806) Washington U. S. Nat. Mus. Proc. 29.

Archaeologus gen. n., *falcatus* sp. n. N. America, HANDLIRSCH (807) T.c.

(BORELLI, Alfredo. Sur quelques Forficules des Pyrénées. Feuille jeunes natural., Paris, (ser. 4), 35, 1905, (49-51, a. fig.).)

(GADEAU DE KERVILLE, Henri. Note sur les fonctions de la pince des Insectes Orthoptères de la famille des Forficulidés. Paris, Bul. Soc. zool., 30, 1905, (53-63, av. fig.).)

Ancistrogaster festae Ecuador, BORELLI Torino Boll. Mus. 21 No. 528, sp. n.—*A. mixta* (12), *alfari* (14), *perdita* (16), Costa Rica, BORELLI Torino Boll. Mus. 21 No. 531, spp. n.

Anisolabis annandalei sp. n. India, BURR (389) Calcutta J. As. Soc. Beng. 2.—*A. ambigua* (3), *armata* (4), Costa Rica, BORELLI Torino Boll. Mus. 21 No. 531, spp. n.—*A. mauritanica* l'accouplement et les œufs, GADEAU Paris Bull. soc. ent. 1906 (252-253).

Apterygida cagnii (3), *cavallii* (4), Ruwenzori, BORELLI Torino Boll. Mus. 21 No. 541, spp. n.

Chaetospania escalerae Biafra, BURR (294) Madrid Mem. Soc. esp. Hist. Nat. 1, sp. n.—*C. pittarellii* Madagascar, BORELLI Torino Boll. Mus. 21 No. 533 (1-2) 1 fig.—*C. tricuspidata* sp. n. New-Guinea, BURR Nova Guinea 5 Livr. 1 (9-10).

Chelisoches annulatus sp. n. New Guinea, BURR L.c.

Forficula mesmini Caucase, AZAM (81) Paris Bull. Soc. entom. 1906, sp. n.—*F. auricularia* and *Labidura riparia*, gynandromorphs, PAOLI Boll. Soc. Zool. ital. 6 (203-206).—*F. auricularia*, spermatogenesis, ZWEIGER Zool. Anz. 30 (220-226) and *F. auricularia* Spermatogenesis, ZWEIGER Jenaische Zs. Natw. 42 (143-172) 4 Taf.

Labia biolleyi (6), *tristani* (8), *conspicua* (9), Costa Rica, BORELLI Torino Boll. Mus. 21 No. 531, spp. n.—*L. trinitatis* (136), *insularis*, *modesta*, (137), *picipennis* (138), Trinidad, BRUNER New York J. Ent. Soc. 14, spp. n.

Labidura riparia Pall. var. *dumonti* nov. var., AZAM (80) Paris Bull. Soc. entom. 1906.

Labidurodes coloratus sp. n. New-Guinea, BURR Nova Guinea 5 Livr. (9-10).

ORTHOPTERA.

Orthopteren- und Odonaten fauna des Gouvernement Novgorod. (Russ.) GRIGORJEV St. Petersburg Ber. Süßwasserst. Naturf. Ges. 2 (65-68).

Respiratory responses in the grasshopper to variations in pressure. ROLLER Lawrence Kan. Univ. Sci. Bull. 3 (209-221).

A Malpighian tube within the heart is accidental; RILEY Ent. News 17 (113-114) with text-fig.; also CALVERT T.c (179).

Tympanal organs, *Acridiidea*, *Locus-todea*, *Gryllodea*, morphology and histology, SCHWADE Zoologica Heft 50 (vi + 154) 5 plates.

FORFICULIDAE.

8 Japanese species of *Forficulidae* described, of which 3 are new. MATSUMURA, S[chonen], and SHIRAKI, T. Sapporo, Journal of Sapporo Agricultural College 2 1905 (75-86).

Five new species described and figured, Japan, SHIRAKI Sapporo Trans. Sapporo Nat. Hist. Soc. 1 (91-96) plate.

Mode of increase of antennal segments; TERRY (50) Honolulu Proc. Hawai. ent. Soc. 1.

Neolobophora borellii Mexico, BURR (114) Ent. Mag. London **42**, sp. n.

Opisthocosmia roccatii Ruwenzori, BORELLI (2) Torino Boll. Mus. **21** No. 541, sp. n.

Pseudochelidura schmitzii Madeira, BORELLI T.c. No. 520 (1-3) 1 fig.—*P. biolleyi* Costa Rica, BORELLI (18) T.c. No. 531, sp. n.

Pyragra minor Costa Rica, BORELLI (1) T.c. No. 531, sp. n.

Sparatta pulchra Costa Rica, BORELLI (11) T.c. No. 531, sp. n.

Spongiphora robur Biafra, BURR (293) Madrid Mem. Soc. esp. Hist. Nat. **1**, sp. n.—*S. aloysii-sabaudiae* Ruwenzori, BORELLI (1) Torino Boll. Mus. **21** No. 541, sp. n.

HEMIMERIDAE.

Hemimerus talpoides, habitat, habits, BOUVIER Paris Bull. soc. ent. **1906** (170-171);—habits, VOSSELER Pflanze Tanga **2** (63-64).

BLATTIDAE.

Types of *Blattidae* described by Francis Walker, and now in the Hope Museum, Oxford; SHELFORD (487-509) London Trans. ent. soc. 1906. Gives the taxonomy and synonymy of 77 species.

Australian Blattidae; FROGGATT Agric. Gaz. Sydney N.S.W. **17** (440-447) 1 pl.

Viviparity in *Blattidae*, SHELFORD (509-514) London Trans. ent. Soc. 1906.

Drüsentaschen am Abdomen von *Periplaneta orientalis* und *Phyllodromia germanica*, OETTINGER Zool. Anz. Leipzig **30** (338-349).

Mitteldarmanlage *Phyllodromia germanica*, NUSBAUM und FULINSKI Zool. Anz. **30** (362-381).

Geological history, SELLARDS Pop. Sci. Month. **68** (244-250).

†Haben die paläozoischen Blattiden im Hinterflügel ein Praecostalfeld? SCHLECHTENDAL Zs. wiss. Insektenbiol. Husum **2** 1906 (47-50).

Allacta parva Borneo, SHELFORD (268) London Trans. ent. soc. 1906, sp. n.

Anaplecta maculata (240) pl. xv f. 7, *zeylanica* f. 8, *thacitesii* f. 9, (241), Ceylon, *malayensis* f. 10, *obscura* f. 12, Malay penins., *borneensis* Sarawak f. 11, (242), *pulchra* Fernando Po, *dahomensis* Africa pl. xvi f. 2, (244), *brunneri* f. 1, *pavida* f. 3, (245), *fusca* f. 4, *varipennis* figs. 5 and 6, Ecuador, (246), *chrysoptera* Amazons pl. xvi f. 7; SHELFORD T.c., spp. n.—*A. pulchella* sp. n. Demerara, REHN (262) Philadelphia Proc. Acad. **58**.

Anaplectoidea gen. n. near *Anaplecta*, (247), *nitida* sp. n. Batchian pl. xvi figs. 8 and 9 (248), SHELFORD London Trans. ent. soc. 1906.

Aphlebia inusitata sp. n. Bahamas. REHN (113) New York Bull. Amer. Mus. **22**.

Areolaria signata Borneo, SHELFORD (273) London Trans. ent. soc. 1906, sp. n.

(*Blaberus biolleyi* REHN, Philadelphia, Pa. Proc. Acad. Nat. Sci. **57**, sp. n.)

Blatta (Stylopiga) meridionalis sp. n. Trinidad, BRUNER (141) New York J. Ent. Soc. **14**.—*B. orientalis*, Pharmacologie MICHALSKI Kraków Rozpr. Akad. **45** B (356-388) 11 fig.—*B. circumducta* and *longiuscula* Walk. cf. *Esca*, *B. xanthophila* Walk. cf. *Pseudothyrsocera*; *B. decorata* Serv. cf. *Homalosilpha*; *B. brasiliensis* Fabr. cf. *Epilampra*.

Blattella inexpectata sp. n. Demerara, REHN (268) Philadelphia Proc. Acad. **58**.

Corydia coerulea Borneo, SHELFORD (272) London Trans. ent. Soc. 1906, sp. n.

Cryptocercus spadicus sp. n. Japan, SHIRAKI (32) pl. ii f. 2 Annot. Zool. Jap. **6**.

Ectobiinae and *Phyllodromiinae* defined and recomposed, SHELFORD (231-234) London Trans. ent. Soc. 1906.

Epilampra guttigera Japan (21) pl. ii f. 7, *dimorpha* Ogasawara Ins. (22) f. 6, SHIRAKI Annot. Zool. Jap. **6**, spp. n.—*E. saravacensis* (268), *goliath*, *miranda*, (269), *flavomarginata* (270), Borneo; SHELFORD London Trans. ent. Soc. 1906, spp. n.—*E. varia* Walk., SHELFORD (500) pl. xxx f. 9 London Trans. ent. Soc. 1906.—*E. brasiliensis* Fabr. (as *Blatta*) type described (277), *burmeisteri* Guér. for *maculicollis* Brunner nec Serv. (276),

SHELFORD T.C. — *E.*, aquatic species, modification; ANKANDALE Calcutta J. As. Soc. 2 (105).

Escala gen. n. near *Theganopteryx* (238), for *Blatta circumducta* Walk., figured pl. xv f. 4, *longiuscula* Walk. f. 5, (239); also *E. insignis* sp. n. Australia (240) pl. xv f. 6; SHELFORD London Trans. ent. Soc. 1906.

†*Etioblattina fontanensis* sp. n., Houillers supérieur Fontanes (Gard.) MEUNIER Paris Bul. soc. ent. 1906 (82-85) av. fig.

Eurycotis bahamensis, sp. n. Bahamas, REHN (110) New York Bull. Amer. Mus. 22.

Hemithyrsocera; composition, *H. histrio* synonymy (238), *lateralis* Walk. = (major Br.) *titillator* pl. xv f. 2; *H. ignobilis* Khasia hills sp. n. (238); SHELFORD London Trans. ent. Soc. 1906.

Homalopteryx adusta, Walk. (as *Epilampra*), SHELFORD (497) pl. xxx f. 6, T.C.

Homalosilpha decorata Serv. (as *Blatta*) from Borneo, figured pl. xiv f. 8, SHELFORD (270), T.C.

Homopteroidea gen. n. near *Latindia*, *nigra* sp. n. Borneo, SHELFORD (274) pl. xvi figs. 13 and 14 T.C.

Hormetica subcineta, Walk. (as *Brachycola*), SHELFORD (507) pl. xxx f. 8 T.C.

Ischnoptera excavata pl. xvi f. 11, (265), *montis* f. 10 (266), Borneo, SHELFORD T.C., spp. n.—*I. nyctiboroides* sp. n. Demerara, REHN (266) Philadelphia Proc. Acad. 58.

Mallotoblatta obscura Madras, SHELFORD (234) London Trans. ent. Soc. 1906, sp. n.

Miroblatta gen. n. near *Archiblatta*, (271), *petrophila* sp. n. Borneo pl. xiv f. 4 (272); SHELFORD T.C.

Opisthoplatia maculata sp. n. Formosa, SHIRAKI (32) pl. ii f. 4 Annot. Zool. Jap. 6.

Paranauphoeta atra Borneo, *affinis* Bhutan, SHELFORD (275) London, Trans. ent. Soc. 1906, spp. n.

Periplaneta picea (26) pl. ii f. 3, *striata* (27) f. 5; SHIRAKI Annot. Zool. Jap. 6, spp. n.—*P. bioculata* (de Sauss.) India, PAIVA (346) Calcutta J. As. Soc. Beng. 2, sp. n.

Phyllodromia treitliana, *arundinicola*, (377), *angustefasciata* (378), Nile, WERNER Wien Sitz. Ber. Ak. 114 abt. 1, spp. n.—*P. pallidiola* sp. n., SHIRAKI Annot. Zool. Jap. 6 (20) pl. ii f. 1.—*P. infuscata* (139), *P. (?) binotata* (140), Trinidad, BRUNER New York J. Ent. Soc. 14, spp. n.—*P. contingens*, Walk. (as *Blatta*), SHELFORD (490) pl. xxx f. 4 London Trans. ent. Soc. 1906.—*P. laticeps* Walk. and *laticaput* Br. to *Pseudophyllodromia*, SHELFORD T.C. (267).—*Pinaconota obliqua*, Walk. (as *Blatta*), SHELFORD (496) pl. xxx f. 5, T.C.

Polyphaga aegyptiaca, Lebensweise, FAUSSEK St. Petersburg Zap. Russ. Geogr. Obsč. 27 (1-192).

Pseudectobia bipunctata Walk. (as *Blatta*), SHELFORD (495) pl. xxx f. 3 London Trans. ent. Soc. 1906.

Pseudomops; species and synonymy, (252-262), table (263-265); *neglecta* Brazil (256), *burri* Ecuador (257) pl. xiv f. 1, *magna*, *albostrigata*, (259), *bicolor* (260) pl. xvi f. 12 and pl. xiv f. 7, Ecuador, spp. n.; SHELFORD T.C.

Pseudophyllodromia pulcherrima Borneo (266) pl. xiv f. 3, SHELFORD London Trans. ent. Soc. 1906, spp. n.; cf. also *Phyllodromia*.—*P. prona* sp. n. Demerara, REHN (264) Philadelphia Proc. Acad. 58.

Pseudothyrsocera gen. n. (250) for part of *Pseudomops* viz. *pica* and *scutigera* Walk. and *Blatta xanthophila* Walk., also *P. montana* Borneo, *ruficollis* Penang pl. xiv f. 6, spp. n.; SHELFORD London Trans. ent. Soc. 1906.—*P. xanthophila*, Walk. (as *Blatta*) SHELFORD (489) pl. xxx figs. 1, 2, T.C.

Salganea humeralis Philippines, CAUDEL (136) Canad. Entomol. 38, sp. n.

Sphceophila gen. n. near *Attaphila*, (515), *polybium* sp. n. Fr. Guiana with *Polybia* (518) pl. xxx figs. 10-12, SHELFORD London Trans. ent. Soc. 1906.

†*Stantonina* gen. n. *cretacea* sp. n. cretaceous of Montana, HANDLIRSCH Washington D.C. Smithsonian Inst. U. S. Nation. Mus. Proc. 29 (655-656) with fig.

Stenoblatta parallela Walk., SHELFORD (502) pl. xxx f. 7 London Trans. Ent. Soc. 1906.

Theganopteryx; various notes, *T. senegalensis* and *Blatta amoena* Walk., *aethiopica* *titillator* pl. xv f. 3, (235-237)

bouvieri Madagascar, *gambiensis* Africa, **spp. n.**, (236); SHELFORD, T.C.

Thyrsocera; redefined (249), the species (250), *T. speciosa* pl. xiv f. 5, SHELFORD T.C.

†Fossil Blattidae.

The following new families genera and species of Blattoidea are described by HANDLIERSCH from Carboniferous and Permian deposits: the original descriptions are to be found in two places, viz. Fossil. Ins. and P. U. S. Mus. 29.

(Blattoidea) *schucherti*, *sellardsi*, *melanderi*, (179), *schuchertiana*, *sellardsiana*, (180), N. America, HANDLIERSCH Fossil. Ins., **spp. n.**

Archimyrlacridae fam. n., (181).

Palaeoblatta **gen. n.** for *Archimyrlacris paucinerva* Scudd., (182).

Aphthoroblattina **gen. n.** for *Etoablattina johnsoni* etc., (183).

Paralithoblatta **gen. n.** for *Archimyrlacris belgica* Handl., (183).

Polyetoblatta **gen. n.**, *calopteryx* **sp. n.** N. America, (184).

Dictyoblatta **gen. n.** for *Blattina dresdensis* Geinitz, (185).

Kinklidoblatta **gen. n.** for *Etoablattina lesquereuxii* Scudd., (185).

Kinklidoptera **gen. n.** (185), *vicina* **sp. n.** Böhmen (186).

Amorphoblatta **gen. n.**, *brongniarti* **sp. n.** France, (186).

Adeloblatta **gen. n.** for *Progonoblattina columbiana* Scudd., (186).

Mesitoblatta **gen. n.** (187), *brongniarti* **sp. n.** France (188).

Sooblatta **gen. n.** for *Blattina lanceolata* Sterz., (188).

Elaphroblatta **gen. n.** for *Anthraco-blattina ensifer* Brongn., (190).

Plagioblatta **gen. n.**, *campbelli* **sp. n.** N. America, (191).

Schizoblatta **gen. n.** (191), *alutacea* **sp. n.** N. America (192).

Hesperoblatta **gen. n.**, *abbreviata* **sp. n.** France, (192).

Archoblattina scudderi N. America, (193), **sp. n.**

Gyroblatta **gen. n.** for *Etoablattina clarkii* Scudd., (194).

Dysmenes **gen. n.** *Etoablattina illustris* Scudd., (194).

Phoberoblatta **gen. n.** (194) *grandis* **sp. n.** N. America (195).

Eumorphoblatta **gen. n.** for *Neomyrlacris heros* Scudd., (195).

†*Apotypoma* **gen. n.**, *longa*, *platyptera*, **spp. n.**, Böhmen.

Sterzelia **gen. n.** for *Etoablattina steinmanni* St., (197).

Platyblatta **gen. n.** for *Etoablattina steinbachensis* etc., (197).

Gongyloblatta **gen. n.** *fritschii* **sp. n.** Böhmen, (198).

Syncptoblatta **gen. n.** (199), *thoracica* **sp. n.** Frankreich (200).

Miaroblatta **gen. n.**, *elata* **sp. n.** Frankreich (201).

Auxanoblatta **gen. n.** (201), *saxonica* **sp. n.** Sachsen (202).

Stephanoblatta **gen. n.** for *Etoablattina gaudryi* Agn., (202).

Asemoblatta **gen. n.** *pennsylvanica*, *danielsi*, **spp. n.** N. America, HANDLIERSCH (725) P. U. S. Mus. 29.—*A. brongniartiana* Frankreich, (203) Fossil. Ins., **sp. n.**

Phyloblatta **gen. n.**, *macroptera* (731), *cassvilleana* (733), *regularis*, *abbreviata*, (734), *elatior*, *dichotoma*, *fracta*, *arcuata*, *mortua*, (735), *vulgata*, *virginiana*, *debilis*, (736), *scudderiana*, *dimidiata*, *rebaptizata*, (738), *sellardsii*, (739) **spp. n.**, N. America, P. U.S. Mus. 29.—*P. gallica* (205), *agnusi*, *brongniarti*, *stephanensis*, *alutacea*, (206), *reniformis* (207), *Commentry*, *frechi*, *nana*, *Sachsen*, (222), Fossil. Ins., **spp. n.**

Atimoblatta **gen. n.** *curripennis*, (723), *reniformis* (724) **spp. n.** N. America, P. U. S. Mus. 29.

Progonoblattina heeri Schweiz, (230) Fossil. Ins., **sp. n.**

Amoeoblatta **gen. n.** for *Gerablattina permanenta* Scudd., Washington P. U. S. Mus. 29 (740).

Liparoblatta **gen. n.** for *Gerablattina ovata* Scudd., (740) P. U. S. Mus. 29.

Bradyblatta **gen. n.** for *Etoablattina sagittaria* Scudd., (741).

Exochoblatta **gen. n.** for *Petrablattina hastata* Scudd., (741).

Acosmoblatta **gen. n.** type *Gerablattina permacra* Scudd., (742).

Amblyblatta **gen. n.** for *Gerablattina lata* Scudd., (742).

Penetoblatta **gen. n.** for *Anthracoblattina virginensis* Scudd., (743).

Parcinoblatta **gen. n.** for *Etoblattina expuncta* Scudd., (743).

Symphyoblatta **gen. n.** for *Etoblattina debilis* Scudd., (744).

Apempherus **gen. n.** type *Poroblattina complexinervis* Scudd., (744).

Olethroblatta **gen. n.** (745) *americana* (746) **sp. n.** N. America.

Cardioblatta **gen. n.** for *Mylacridium fritschi* Schl., (231) Fossil. Ins.

Xenoblatta **gen. n.** (745) for *Gerablattina fraterna*, Scudd., P. U. S. Mus. 29.

Stygetoblatta **gen. n.** (746) *latipennis* (747) **sp. n.** N. America.

Distatoblatta **gen. n.** for *Etoblattina persistens* Scudd., (739).

Metaxys **gen. n.** for *Etoblattina fossa*, Scudd., (739).

Metaxyblatta **gen. n.** (729), *hadroptera* (730) **sp. n.** N. America.

Metachorus **gen. n.** (747), *striolatus* **sp. n.** (748) N. America.

Oxynoblatta **gen. n.**, *alutacea* **sp. n.** N. America, (748).

Discoblatta **gen. n.** for *Etoblattina scholfieldi* Scudd., (749).

Spiloblattinidae **fam. n.** for *Sysciophlebia* Handl. etc., (240) Fossil. Ins.

Sysciophlebia **gen. n.** (751), *whitei*, scudderi, (752), *hybrida*, sellardsii, lawrenceana, affinis, (753), *schucherti*, *picta*, (754), *adumbrata*, *rotundata*, (755), *nana*, *obtusa*, (756), *acutipennis*, (757), *fenestrata*, (759), **spp. n.**, N. America, P. U. S. Mus. 29.—*S. oligoneura* Sachsen (244), Fossil. Ins., **sp. n.**

Di cladoblatta **gen. n.** for *Etoblattina tennis* Scudd., (759) P. U. S. Mus. 29.

Syscioblatta **gen. n.** *obscura*, *anomala*, *minor*, (760), *steubenvilleana* (761), *misera* (762), **spp. n.**, N. America.

Spiloblattina *perforata* **sp. n.** N. America, (762).

Ametroblatta **gen. n.** type *Etoblattina strigosa* Scudd., (763).

Arrhythmoblatta **gen. n.**, *scudderiana* **sp. n.**, N. America, (763).

Doryblatta **gen. n.** (764), *longipennis* **sp. n.** (765).

Atactoblatta **gen. n.**, *anomala* **sp. n.** N. America, (764).

(*Sp'loblattinidae*) *gardinerana* N. America, (376) Fossil. Ins., **sp. n.**

Hemimylacris **gen. n.** (766) **Fam. Mylacridae**, *ramificata* (767) **sp. n.** N. America P. U. S. Mus. 29.

Soomylacris **gen. n.** for *Etoblattina deanensis* Scudd., (259) Fossil. Ins.

Exochomylacris **gen. n.** (767), *virginiana* (768) **sp. n.** N. America, P. U. S. Mus. 29.

Orthomylacris **gen. n.**, *analisis*, (768), *regulosa*, *truncatula*, (769), *elongata*, (770), *alutacea*, *pennsylvanica*, (771) **spp. n.**, N. America.

Anomomylacris **gen. n.**, *cubitalis* (772) **sp. n.** N. America.

Stenomylacris **gen. n.** (772), *elegans* (773) **sp. n.** N. America.

Actinomylacris **gen. n.** (773), *vicina* (774) **sp. n.** N. America.

Phthinomylacris **gen. n.**, *cordiformis*, (774), *medialis* (775), **spp. n.**, N. America.

Chalepomylacris **gen. n.**, *pulchra* **sp. n.**, N. America (775).

Brachymylacris **gen. n.**, *elongata*, *cordata*, (776), *rotundata*, *mixta*, (777), **spp. n.** N. America.

Goniomylacris **gen. n.**, *pauper* (778) **sp. n.** N. America.

? *Mylacris sellardsii*, *M. similis*, (779), ? *M. dubia* (780), **spp. n.**, N. America.

? *Aphelomylacris* **gen. n.**, *modesta* **sp. n.** N. America (780).

Sphenomylacris **gen. n.** (781), *singularis* **sp. n.** (782) N. America

Amblymylacris **gen. n.** for *Etoblattina clintoniana* Scudd. and *Phomylacris harei* Scudd. (782).

(*Mylacridae*) *pseudocarbonum*, *carbonina* **spp. n.** N. America (784).

Pseudomylacridae **fam. n.** for *P. wettinense* Schl. (274) Fossil. Ins.

Idiomylacridae fam. n. (789), *Idiomylacris* gen. n., *gracilis* (790) sp. n. N. America, P. U. S. Mus. 29.

Neorthroblattinidae fam. n. for *Neorthroblattina* Scudd., (790).

Dictyomylacridae fam. n. for *Dictyomylacris* Brongn., (785).

Neomylacridae fam. n. *Neomylacris* (786) gen. n., *major*, *pulla*, (787) *paucinervis*, (788), spp. n. N. America.

Pteridomylacridae fam. n. *Pteridomylacris* (788) gen. n., *paradoxa* (789) sp. n. N. America.

Poroblattinidae fam. n. *Poroblattina brachyptera*, (791), *lata*, *richmondiana*, (792), spp. n., N. America.

? *Systoloblatta* gen. n. for *Poroblattina ohioensis* Scudd., (792).

Mesoblattinidae fam. n. *Acmæoblatta* gen. n., *lanceolata* sp. n. N. America (793).

Dichronoblatta gen. n. for *Gerablattina minima* Scudd., (794).

Nearoblatta gen. n., type *Nearoblatta parvula* Gold., (794).

Epheoblatta gen. n. for *Neorthroblattina attenuata* Scudd., (794).

Diechoblattinidae fam. n. *Nepioblatta* gen. n. for *Scutinoblattina brongniarti* Scudd., (795).

Brephoblatta gen. n. for *Scutinoblattina recta* Scudd., (796).

Phauloblatta gen. n. for *Blattina clathrata* Heer, etc., (350) Fossil. Ins.

Gondwanoblatta gen. n. (351), *reticulata* sp. n. Kashmir (352) Fossil. Ins.

Dromoblatta gen. n. for *Anthraco-blattina sopita* Scudd., (352) Fossil. Ins.

Deichmulleria gen. n. for *Etoblattina ornatissima* Deichm., (352) Fossil. Ins.

Anomoblatta gen. n. for *Blattina ruckerti* Gold., (370) Fossil. Ins.

Proterema gen. n. *Proteremidae* fam. n., for *Blattina varinervis* Göpp., (380) Fossil. Ins.

(*Blattoidea*) *melanderi*, *schuchertiana*, *sellardsii*, *sellardsiana*, (800), *schucherti*, (801) spp. n. N. America, P. U. S. Mus. 29.

The following new *Blattoidea* are described by HANDLIRSON (Fossil. Ins.) from Mesozoic deposits.

Mesoblattopsis gen. n. for *Mesoblattina bensoni* Scudd., (428).

Liadoblattina gen. n. for *Mesoblattina blakei* Scudd., (428).

Rhipidoblattina gen. n. for *Mesoblattina geikiei* Scudd., (429).

Caloblattina gen. n. for part of *Blattina*, (429).

Mesoblattula gen. n. for *Mesoblattina dobertiniana* Gein., etc., (430).

Blattula gen. n., *ancilla*, (431), *geinitzi* (432), *debilis*, *pusillima*, (433), spp. n., Lias Mecklenburg., Fossil. Ins.

Pachyneuroblattina gen. n., *rigida* sp. n. Lias Mecklenburg, (433).

Schambeloblattina gen. n. for *Blattina formosa* Heer, (433).

Actinoblattula gen. n., *brodiei* sp. n. Lias England, (434).

Ophismoblatta gen. n. *Poroblattinidae* for *Blattina sibirica* Br. and *Periplaneta maculata* Br., (526).

Malmoblattina gen. n. for *Mesoblattina* part, (528).

Artitocoblatta gen. n. for *Rithma gossii* Scudd., (529).

Lithoblatta gen. n. for *Mesoblattina lithophila*, (530).

Rhipidoblattina gen. n. for *Mesoblattina bucklandi* Scudd., (531).

Elisama scudderi Purbeck England, (531) sp. n.

Durdlestoneia gen. n. for *Mesoblattina antiqua*, (532).

Nannoblattina brodiei Purbeck England, (534), sp. n.

Mesoblattina deichmulleri Kalk Bayern, (537), sp. n.

Megalocerca gen. n., *longipes* sp. n. Kalk Bayern, (540).

PHASMIDAE.

Die Insektenfamilie der Phasmiden. Lfg. 1: Phasmidæ areolatae (bearb. v. J. Redtenbacher). 1906, (1-180, mit 6 Taf.). BRUNNER v. WATTENWYL, K. und REDTENBACHER, Jos. The synonymy given in this important work is not reproduced below. The descriptions in this Lieferung are by REDTENBACHER.

BRUNNER VON WATTENWYL, C. *Phasmidæ*. Nova Guinea Résultats de l'Expédition scient. Néerl. à la Nouvelle Guinée en 1903. Leide 5 Livr. 1

1906 (13–15). Includes names, but not descriptions of new species.

Les appendices glandulaires de l'intestin moyen (*Phyllium crurifolium* Audinet Serville). BORDAS Paris C.-R. soc. biol. 60 1906 (439–441), et Réunion biologique de Marseille 1906 (5–7).

Ambrosoma **gen. n.** *virescens* Ceylon, (83), *carinulatum* Indien, *discolor* Java, *flavo-guttatum* Indien, (84), *ambrosoma* Java, *modestum* Indien, *sericeum* Madras etc., *singulare*, *villosum*, Kodekanal, (85), *exiguum* Ceylon (86), **spp. n.**, REDTENBACHER Phasmodae.

Acanthoclonia erinaceus (62), *dicaenum* (63), Columbia, **spp. n.**, REDTENBACHER T.c.

Agathemera anthracina Chile, *millepunctata* Argentinien, *sphacrocephala* Peru, **spp. n.**, REDTENBACHER (89) T.c.

Agrostia **gen. n.**, *amoena* Panama, *bipunctata* Amazonas, (110), **spp. n.**, REDTENBACHER T.c.

Alloephasma **gen. n.** for *Phasma cubense* SAUSS., REDTENBACHER T.c. (126).

Anisa **gen. n.** for *Phasma flavomaculatum* Gray, REDTENBACHER T.c. (100).

Anisacantha **gen. n.** (162), *albo-geniculata*, *difformis*, *vidua*, Madagascar, (163), **spp. n.**, REDTENBACHER T.c.

Anisomorpha fasciata Bolivia (91), *longipennis* Cuba, *unicolor* Peru, (92), *coriacea* Neu-Granada, *lurida* Brasilien, *rugosa* Bolivien, (93), *boliviana* Bolivia, *jamaicana* Jamaica, (94), **spp. n.**, REDTENBACHER T.c.

Anthrice **gen. n.**, *gracilis* **sp. n.** Bolivien, REDTENBACHER (109) T.c.

Antongila **gen. n.** (24), *aculeata*, *echinops*, *laciniata*, (25), *pungens*, *4-tuberculata*, *simplex*, (26), *annulicornis*, *coronata*, *squamigera*, (27), *muricata*, (28), **spp. n.**, Madagascar, REDTENBACHER T.c.

Ascepsasma piccum, *viridi-lineatum*, Sumatra, (75), *modestum* Sumatra, *amaragdinum*, *xanti*, Borneo, (76), *superbum*, *versicolor*, Borneo, (77), **spp. n.**, REDTENBACHER T.c.

Autolyca blapoides Ecuador, *pentlandi* Peru, *picturata* Chile, (95), *albifrons* Neu-Caledonien (96), *flavolimbata* Ecuador (97), **spp. n.**, REDTENBACHER T.c.—A.

doylei **sp. n.** Colombia, CADELL Ent. News 17 (102–103).

Batycharax auriculatus **sp. n.** W. Afrika, REDTENBACHER Phasmodae (13).

Brizoides **gen. n.**, *flavipennis* Brasilien, *nigricornis* Panama, (112), *amabilis* Venezuela, *graminea* Bugaba, *lacteipennis* Amazonas, *minutissima* Montevideo, (113), **spp. n.**, REDTENBACHER T.c.

Canulcius 20-*spinosus* (66), 24-*spinosus*, *metzi*, (67), *inermis*, *nudiceps*, *pullus*, *similis*, (68), *pygmaeus* (69), Brasilien, **spp. n.**, REDTENBACHER T.c.

Ceroys cristatus Brasilien (60), *pusillus* Peru, *quadriscopiosus* Columbien, (61), **spp. n.**, REDTENBACHER T.c.—*C. lituus* **sp. n.** Demerara, REHN (277) Philadelphia Proc. Acad. 58.

Chitoniscus lobipes Fidschi-Ins. (178), *erosus* Neu-Guinea (179), **spp. n.**, REDTENBACHER Phasmodae.

Chlorophasma **gen. n.**, *hyalina* **sp. n.** Panama, REDTENBACHER (114) T.c.

†*Chresmodidae*, the family and forms, HANDLIRSCH (523–526) Fossil. ins.

Cirsia **gen. n.**, *finoti*, *madegassa*, Madagascar, **spp. n.**, REDTENBACHER, Phasmodae (22).

Citrina **gen. n.** for *Phasma prasina* and *P. venilia*, REDTENBACHER (109) T.c.

Clonistria linearis, BRUNER (144) New York J. ent. Soc. 14.

Creoxylus hageni Venezuela (142), *impennisi* hab.? (143), **spp. n.**, REDTENBACHER Phasmodae.

Dajaca monilicornis **sp. n.** Borneo, REDTENBACHER (162) T.c.

Damasippoides albomarginatus, *erythropterus*, *sykorai*, (158), *spinicollis* (159), Madagascar, **spp. n.**, REDTENBACHER T.c.

Damasippus fuscipes Panama (147), *intermedius* Bogota, *piceipennis* Bolivien, *pulcher* Brasilien, (148), *staudingeri* Brasilien, *striatus* Columbien, *unilineatus* *discoidalis*, Brasilien, (149), **spp. n.**, REDTENBACHER T.c.

Dares (*Epidares* subgen. n.) *hamatocanthus*, (54), *D. verrucosus*, *breitensteini*, Borneo, *calamita* hab.? (55), *corticinus* Borneo, *subcylindricus* Tongking, (56), **spp. n.**, REDTENBACHER T.c.

Datames miratus Malakka (50), *moluccanus* Celebes, *arietinus* Sumatra,

cylindripes Java, (51), *pusillus* Cochlin China (52), **spp. n.**, REDTENBACHER T.c.

Dina **gen. n.**, *rusicornis*, *saginata*, Borneo, **spp. n.**, also *Phasma guttigerum* Westw., REDTENBACHER T.c. (86).

Dinelytron villosipes **sp. n.** Brasilien, REDTENBACHER T.c. (151).

Dixippus morosus, SOHNITZ Natur u. Offenb. Münster 52 (385-407).

Donusa glabriuscula **sp. n.** Chile, REDTENBACHER Phasmidae (99).

Epibacillus **gen. n.** for *Bacillus lobipes* Luc., REDTENBACHER T.c. (35).

Epidares **subgen. n.** vide *Dares*.

Eucles **gen. n.**, *imperialis* Columbien, *intermedius* Amazonas, (101), *bifasciatus* Costa Rica (102), **spp. n.**, REDTENBACHER Phasmidae.

Euphasma **gen. n.** (125), *bicorne* Süd-Amerika **sp. n.**, (126), REDTENBACHER T.c.

Harpuna **gen. n.** for *Dinelytron nepotinus* Kaup, REDTENBACHER (130) T.c.

Heterocopus **gen. n.**, *leprosus* **sp. n.** Pelew-Inseln, REDTENBACHER (42) T.c.

Heteropteryx erringtoniae Malakak (169), *dipsacus* (170), *echinata*, *scabra*, *saussurei*, (171), Borneo, **spp. n.**, REDTENBACHER T.c.

Holca **gen. n.**, *annulipes* Columbien, *proxima* Costa Rica, **spp. n.**, REDTENBACHER (114) T.c.

Hoploclonia cuspidata **sp. n.** Borneo, REDTENBACHER (46) T.c.

Isagoras proximus Ecuador (133), *brevipes* Brasilien, *dentipes* Panama, *nitidus* Brasilien, (134), *plagiatus* Brasilien, (135), **spp. n.**, REDTENBACHER T.c.

Leocrates glaber, *mecheli*, Sumatra, **spp. n.**, REDTENBACHER (167) T.c.

Leprodes **gen. n.**, *diceranocollis*, *gibbifer*, Madagaskar, **spp. n.**, REDTENBACHER (23) T.c.

Leptynia attenuata var. *n. barretii*, TAVARES (95) Broteria 5.—*L. fourniali* Sahara, BOLÍVAR (385) Madrid Bol. Soc. esp. Hist. nat. 6, **sp. n.**; also in Foureau Mission saharienne fasc. 3.

Malacomorpha **gen. n.** *Anisomorpha* (113), *androsensis* **sp. n.** Bahamas, (114), REHN New York Bull. Amer. Mus. 22.

Melophasma **gen. n.**, *vermiculare* Brasilien **sp. n.**, REDTENBACHER Phasmidae (157).

Metriotes armatus Columbien (139), *iphicles* Honduras, *pericles* Brasilien, (140), **spp. n.**, REDTENBACHER T.c.

Miropasma **gen. n.**, *cirsius* **sp. n.** Columbia, and part of *Ceroys*, REDTENBACHER (64) T.c.

Nanophyllium **gen. n.**, *pygmaeum* **sp. n.** Neu-Guinea, REDTENBACHER (180) T.c.

Neophasma **gen. n.** (124), *granulosum*, *peruanum*, *scabriusculum*, Peru, *subapterum* Venezuela, (125), **spp. n.**, REDTENBACHER T.c.

Ocnobius **gen. n.**, *lobulatus* **sp. n.** Kiboscho, REDTENBACHER (29) T.c.

Oestrophora **gen. n.**, *triangulifera* **sp. n.** Surinam, REDTENBACHER (124) T.c.

Olecyphides cancellatus **sp. n.** Canton, REDTENBACHER (108) T.c.

Olinta **gen. n.** for *Metriotes bubastes* Westw., REDTENBACHER (131) T.c.

Obrimus lacerta (39), *foveolatus*, (40), Philippinen, *aspermus*, *muscosus*, Borneo, (41), **spp. n.**, REDTENBACHER T.c.

Onogastriis **gen. n.** (23), *exsiccata*, *pardalina*, Madagaskar, (24), **spp. n.**, REDTENBACHER T.c.

Orestes **gen. n.**, *verrucatulus* **sp. n.** Siam, REDTENBACHER (47) T.c.

Orobia vaginata, *brevivalvis*, *operculata*, (70), *concolor*, *intermedia*, *spinosa*, (71) *adusta*, *maculipes*, (72), *flaviceps*, *nigrotuberculata*, (73), Madagaskar, **spp. n.**, REDTENBACHER T.c.

Pachyphloea **gen. n.**, *aberrans* **sp. n.** Ecuador, REDTENBACHER T.c.

Paranisomorpha **gen. n.**, *insignis* **sp. n.** Costa Rica, REDTENBACHER (90) T.c.

Paraphasma **gen. n.** (114), *amabile* Peru, *marginale* Brasilien, (115), *minus* Amazonas (116), *cognatum* Ecuador, *consersum* Brasilien, (117), **spp. n.**, REDTENBACHER T.c.

Paraprisopus **gen. n.**, *folliculatus* **sp. n.** Ecuador, REDTENBACHER (156) T.c.

Parastratocles **gen. n.**, *aeruginosus* **sp. n.** Peru, REDTENBACHER (107) T.c.

Parcatasoma sakavalanum (165), *cervinum* (166), Madagaskar, **spp. n.**, REDTENBACHER T.c.

Periphloca **gen. n.** (151), *corticina* **sp. n.** Guyana (152), REDTENBACHER T.c.

Periodes **gen. n.** (136), *affinis*, *griseescens*, Brasilien, *obscurellus* Ecuador, (137), *sexmaculatus* (138), **spp. n.**, and *nigro-granulosus* **nom. n.** für *cinereus* Buttn., REDTENBACHER T.c.

Phaeoplasma **gen. n.**, *alatum* **sp. n.** Borneo, REDTENBACHER (161) T.c.

Phalces unilineatus **sp. n.** Madagaskar, REDTENBACHER (28) T.c.

Phantasca **gen. n.** for part of *Phasma*, REDTENBACHER (111) T.c.

Phasma flavicornae Brasilien, *flavipenne*, *annulipes*, Bolivia, *marmoratum* Columbia etc., (119), *fulvum* Cordilleren, *rufipes* Peru, (120), *velutinum* Peru (121), *acanthonotus* Peru, *bispinosum* Ecuador, (122), *illustre* Amazonas (123), **spp. n.**, REDTENBACHER T.c.

Phryganistria grandis **sp. n.** Tonkin REHN (279) Philadelphia Proc. Acad. 58.

Phyllinae: Ceylonese species characters etc.; GREEN *Spolia zeylan.* 3 (220-222) 2 plates.

Phyllium crurifolium Systeme nervoux sous-intestinal, BORDAS Rennes Bul. soc. sci. méd. 15 1906 (98-100); Structure des caecums, BORDAS Paris C.-R. Acad. sci. 142 (649-650).—*P. frondosum* (175), *caudatum* (176), Neu-Guinea, **spp. n.**, REDTENBACHER Phasmidae.

Planudes brunni Venezuela, *funestus* Columbia (132), **spp. n.**, REDTENBACHER T.c.

Platymorpha **gen. n.**, *cochinchinensis* Cochin China, (46), *bengalensis* Bengalen and Java (47), **spp. n.**, REDTENBACHER T.c.

Presbistus fulvescens Ostindien, *nigrogeniculatus* (80), *marginatus* (81), *fulvipennis* (82), Borneo, **spp. n.**, REDTENBACHER T.c.

Prexaspes viridipes Peru (129), *4-guttatus* Brasilia (130), **spp. n.**, REDTENBACHER T.c.

Prisopus piperinus **sp. n.** Cayenne, REDTENBACHER (154) T.c.

Pseudodatames **gen. n.**, *allnaudi*, *memorabilis*, Madagaskar, **spp. n.** REDTENBACHER (21) T.c.

Pseudoleosthenes **gen. n.**, *dubiosus*, *scaberrimus*, (159), *irregularis* (160), Madagaskar, **spp. n.**, REDTENBACHER T.c.

Pterobrimus **gen. n.**, *depressus* **sp. n.** Fidji-Ins., REDTENBACHER (43) T.c.

Pygrrhynchus muricatus (58), *bispinosus*, *granulosus*, (59), Brasilien, **spp. n.**, REDTENBACHER T.c.

Pylacmenes infans **sp. n.** Borneo, REDTENBACHER (49) T.c.

Setosa **gen. n.** (65), *versicolor* Columbia **sp. n.** (66), REDTENBACHER T.c.

Stenobrimus **gen. n.**, *bolivari* **sp. n.** Philippinen, REDTENBACHER (37) T.c.

Stratocles rufipes Columbia (103), *soror* Nicaragua, *adelphus* Bolivia, *carbonarius* Peru, *flavipes* Amazonas, *lugubris* Bolivia, (106), *roseipennis* Columbia (107), **spp. n.**, REDTENBACHER T.c.

Taenionema **nom. n.** pro *Taeniosoma* Bol. 1897, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. nat. 6.

Tenerella **gen. n.**, *tenerrima* **sp. n.** Columbia, REDTENBACHER Phasmidae (109).

Tisamenus armadillo **sp. n.** Philippinen, REDTENBACHER (44) T.c.

Xera **gen. n.** (145), *debilis* **sp. n.** Venezuela (146), REDTENBACHER T.c.

Xeranthrix pinnatus (160), *parvipennis* (161), Madagaskar, **spp. n.**, REDTENBACHER T.c.

Xeropsis **gen. n.**, *secca* **sp. n.** Chile, REDTENBACHER (145) T.c.

Xerosoma vignieri Paya (144), *michaelis* Brasilien (145), **spp. n.** REDTENBACHER T.c.

Xylica coriacea W. Afrika, *4-spinosa* Zanzibar, (29), *abbreviata* Ost Afrika, *caligulata* Zanzibar, *madegassa* Madagaskar, (30), **spp. n.**, REDTENBACHER T.c.

(*Libethra auritus* REHN, Philadelphia Pa. Proc. Acad. Nat. Sci. 57, sp. n.)

(*Olecyphides viridipes* REHN, T.c. sp. n.)

MANTIDAE.

Anatomie des glandes salivaires *Mantis religiosa*. BORDAS Rennes Bul. soc. sci. méd. 15 1906 (64-68).

Anatomie et structure histologique des glandes mandibulaires des *Mantida* L. *Mantis religiosa*. BORDAS Paris C.-R. soc. biol. **60** 1906 (437-439) av. fig., et Réunion biologique de Marseille **1906** (3-5).

Angela guianensis sp. n. Demerara, REHN (273) Philadelphia Proc. Acad. **58**.

Aspidonotus spinosus, BOLÍVAR (386) Madrid Bol. Soc. esp. Hist. Nat. **6**.

Cilnia femoralis sp. n. D. Ostafrika, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (368).

Entella aliena Bagamoyo, *lamperti* Tanga, *minima* Kahe Kibuaajo, *widenmanni* Moschi, spp. n., WERNER T.c. (364).

Eremiaphila brunneri Jerusalem (384), *davydowi* Dead Sea (385), *libyca* Libya (387), *persica* Chorassan (388), *rohlfsi* Kufra Oasis (390), WERNER Wien Sitz. Ber. Ak. **114** Abt. I, spp. n.—*E. klunzingeri* sp. n. Kosseir, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (316).—*E. foureaui* Sahara sp. n., BOLÍVAR in Foureaux mission saharienne fasc. 3.

†*Geinitzia* gen. n. *Geinitziidae* fam. n., *minor*, *debilis*, spp. n. Lias Mecklenburg, and *Gryllacris schliefeni* Gein., HANDLIRSCH (427) Fossil. Ins.

Gongylus gongylodes, stridulation, WILEY (226) *Spolia zeylan*. **3**.

†*Hagla anglica* Lias England, HANDLIRSCH (425) Fossil. Ins., sp. n.

†*Haglidae* fam. n. for *Hagla*, *Haglodes* and *Haglopsis*, HANDLIRSCH (425) T.c.

†*Haglodes* gen. n. for *Hagla similis*, HANDLIRSCH (425) T.c.

†*Haglopsis* gen. n. for *Orthophlebia parallela* Gieb., HANDLIRSCH (426) T.c.

Hierodula (Sphodromantis) occidentalis sp. n., Deutsch Südwestafrika, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (366).

Liturgousa orientalis sp. n. Deutsch Ostafrika, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (372).

†*Palaeomantidae* fam. n. for *Palaeomantis* and *Petromantis*, HANDLIRSCH (348) Fossil Ins.

Parastagmatoptera vitrepennis sp. n. Trinidad, BRUNER (144) New York J. Ent. Soc. **14**.

Polyspilota heteroptera sp. n. Kamerun, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (365).

Rhombodera scutata in Africa, BOLÍVAR (384) Madrid Bol. Soc. esp. Hist. nat. **6**.

Sphodromantis bioculata, Aufzucht, Farbwechsel und Regeneration (Einschl. einiger Regenerationsversuche v. Stud. phil. Isaak Werber.) PRZIBRAM Arch. EntwMech. **22** (149-206) 4 Taf.

Tropidomantis africana sp. n. Bagamoyo, WERNER Stuttgart Jahreshefte Ver. Natk. **62** (364).

GRYLLIDAE.

Catalogue of *Achetidae*, KIRBY Cat. Orthopt. **2** (1-110). We give below the new generic, but not the new specific names.

Stridulation, *Gryllus*, position of tegmina in sexes and its variation, LUTZ (207-209) Canad. Entomol. **38**.

†*Achaetites* gen. n. for *Acheta sedgwicki* Brod., HANDLIRSCH (523) Fossil. Ins.

Amblyrhethus nom. n. for *Amblyopus* Sauss., KIRBY (97) Cat. Orthopt. **2**.

Caconemobius nom. n. for *Paranemobius schauinslandi*, KIRBY (13) T.c.

Cylindracheta nom. n. for *Cylindrodres*, KIRBY (7) T.c.

Duolandrevus nom. n. for *Landrevus* Sauss., KIRBY (50) T.c.

Ectatoderus insularis sp. n. Trinidad, BRUNER (163) New York J. Ent. Soc. **14**.

Gryllodes mareoticus Alexandria, WERNER (434) Wien SitzBer. Ak. **114** Abt. I, sp. n.

Gryllus campestris, Lebensgewohnheiten, DUDINSZKY Rovart I. **13** (192-193); hibernation etc., REGEN Zool. Anz. **30** (131-135); stridulation, Wien Sitz. Ber. Ak. Wiss. **114** Abt. iii (57-81) 1 pl.

†*Mesogryllus* gen. n. for *Blattidium achelous* Westw., HANDLIRSCH (523) Fossil. Ins.

Nemobius hafferli Nile, WERNER (433) Wien SitzBer. Ak. **114** Abt. I, sp. n.—

N. funeralis sp. n. Texas, HART (159) Ent. News 17.

Neocurtilla nom. n. for *Curtilla*, KIRBY (2) Cat. Orthopt. ii.

Neoxabea gen. n., KIRBY (76) T.c.

Oecanthus immaculatus sp. n. Trinidad, BRUNER (164) New York J. Ent. Soc. 14.

†*Protagryllus* gen. n., *femina* sp. n. Lias Mecklenburg, HANDLIRSCH (424) Fossil. Ins.

Symphylloxiphus gen. n. near *Anaxipha*, *magnificum* sp. n. Costa Rica, REHN (603) Washington U. S. Nation. Mus. Proc. 30.

(*Ectotrypa brevis* REHN, Philadelphia Pa. Proc. Acad. Nat. Sci. 57, sp. n.)

LOCUSTIDAE OR PHASGONURIDAE.

Catalogue of *Phasgonuridae*, KIRBY Cat. Orthopt. 2 (111-486). We give below the new generic, but not the new specific names.

†*Acridomima* gen. n. for *Acridiites desperditus* Heer, HANDLIRSCH (422) Fossil. Ins.

Aeridoxena hevaniana pl. x, BOLÍVAR (306) Madrid Mem. Soc. esp. Hist. Nat. 1.

Anabropsis tonkinensis sp. n. Tonkin, REHN (284) Philadelphia Pa. Proc. Acad. 58.

Amaureta nom. n. for *Amaura* Br. 1878, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. 6.

Aniarella nom. n. pro *Aniara* Br. 1878, BOLÍVAR (391) T.c.

Arantia tigrina Fernando Po (330), manca Africa (332), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. 1, spp. n.

Arantia gestroi Congo, GRIFFINI (384) Genova Ann. Mus. 42, sp. n.

Astralia gen. n. for *Aprion albiseellatum* Walk., KIRBY (298) Cat. Orthopt. 2.

Azamia gen. n. *Phaneropterides* (339), *biplagiata* sp. n. Camerum (341), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. 1.

Baryprostha bestiola sp. n. Sumatra, DOHRN (354) Stettiner ent. Ztg. 67.

Blastes insularis sp. n. Trinidad, BRUNER (160) New York J. Ent. Soc. 14.

Brisilis chipmani sp. n. Trinidad, BRUNER (158) T.c.

Butleriella nom. n. for *Butleria* Br. 1888, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. 6.

Ceraia similis, *cornutoides* spp. n., Paraguay, CAUDELL, Washington (237) U. S. Nation. Mus. Proc. 30.

Chondrodera maxima sp. n. Tonkin, REHN (281) Philadelphia Proc. Acad. 58.

†*Conocephalites* gen. n. for *Conocephalus capito* Deichm., HANDLIRSCH (518) Fossil. Ins.

Conocephalus lyristes, measurements, REHN Ent. News 17 (366-367).—*C. basiguttatus* Camerum, BOLÍVAR (371) Madrid Mem. Soc. esp. Hist. nat. 1, sp. n.

Cratioma nom. n. pro *Cratylus* Stål 1874, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. 6.

†*Cyrtophyllites musicus* Kalk Bavaria, HANDLIRSCH (521) Fossil Ins., sp. n.

Cyrtophyllus elongatus (40), *furcatus*, *intermedius*, (41), United States, spp. n., CAUDELL New York J. Ent. Soc. 14.

Deflorita nom. n. pro *Exora* Br. 1878, BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. 6.

Desaulcyia gen. n. *Pseudophyllides* (354), *pictipennis* sp. n. Camerum (355), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. 1.

Diestrammena longipes (287), *palpata* (290). Tonkin, REHN Philadelphia Proc. Acad. 58, spp. n.

Dolichopoda geniculata Costa dans les ruines d'Herculanum; GIARD Paris Bull. soc. ent. 1906 (285-287).

Elbeniopsis gen. n. near *Paracacodia* (356), *callipygos* sp. n. Sumatra (357), DOHRN Stettiner ent. Ztg. 67.

†*Elcanidae* fam. n. for *Elcana* Giebel, HANDLIRSCH (412) Fossil. Ins.

†*Elcana magna*, *arcuata simplex*, *basalis*, (413), *media*, Mecklenburg, *britannica*, *brodiei*, England, *flexuosa* (414), *saltans*, *trifurcata*, *geimitziana*, *littoralis*, *obliqua*, (415), *rudis*, *orchestes*, (416), *spiloptera*, *plicata*, *rotundata*, *fusca*, (417), *tenuis*, *saliens*, *halophila*,

laticornis, *gracilis*, (418), *germanica*, *parvula*, *minima*, *dobbertiniana*, (419), *gracillima*, *triquetra*, *pullula*, (420), Lias Germany, HANDLIRSCH Fossil. Ins., spp. n. — *E. phylophora*, *deichmulleri*, (516), *longicornis*, *oppenheimi*, *bavarica*, (517), Jurass. Bavaria, *westwoodi* Purbeck England (518), HANDLIRSCH T.c.

Elimaea synonymy; *E. brunneri* nom. n. für *E. parumpunctata* Brunn. (348), *E. signata* var. n. *adpersa* (348), *E. maculosa* Kr. to *Ducetia* (352), DOHRN Stettiner ent. Ztg. 67.

Enochletia affinis Camerum (333), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. 1, sp. n.

Ephippigera vitium, GLEISENHEYNER Zool. Beob. Frankfurt a. M. 47 (48-49). — *E. ephippigera* var. n. *moguntiacae*, SCHUSTER Wiesbaden Jahrb. Ver. Natk. 59 (153-156).

Habetia gen. n. for *Agroecia spada* Br., KIRBY (260) Cat. Orthopt. 2.

Hemielimaea tonkinensis sp. n. TONKIN, DOHRN (350) Stettiner ent. Ztg. 67.

Hemielonia gen. n. type *melanoptera* L., KIRBY (226) Cat. Orthopt. 2.

Hexacentrus alluaudi Assinie, BOLÍVAR (376) Madrid Mem. Soc. esp. Hist. nat. 1, sp. n.

Himerta feana Congo, GRIFFINI (380) Genova Ann. Mus. 42, sp. n.

Homatoicla fuscopunctata sp. n. Paraguay, CAUDELL Washington U. S. Nation. Mus. Proc. 30 (236).

Gabonia gen. n. *Phaneropteridae* (327), *cothurnata* sp. n. Cameroons (328), BOLÍVAR Mem. Soc. Hist. Nat. 1.

Goëtia dimidiata Fernando Po, BOLÍVAR (335) T.c., sp. n.

†*Gomphocerites haeriana* Schweiz Lias, HANDLIRSCH (423) Fossil. Ins., sp. n.

Gryllaeris wolffti sp. n. Tonkin, KRAUSSE-HELDRUNGEN Insektenbörse 23 (32).

Ischnomela pulchripennis sp. n. Costa Rica, REHN (599) Washington U. S. Nation. Mus. Proc. 30.

Laniata crassicolis, *affinis*, (368), W. Africa, *varelae* Usambara (369), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. 1, spp. n.

Lea gen. n. type *Cyrtophyllus floridensis* Beutenm., CAUDELL (42) New York J. Ent. Soc. 14.

Leurophyllum gen. n. for part of *Platyphyllum*, KIRBY (320) Cat. Orthopt. 2.

†*Liadolocusta* gen. n., *auscultans* sp. n. Lias England, HANDLIRSCH (423) Fossil. Ins.

Lichenocirus deciduus nom. n. (= *L. marmoratus* Rehn preoc., REHN (204) Ent. News 17. — *L. testaceus* Camerum, BOLÍVAR (361) Madrid Mem. Soc. esp. Hist. Nat. 1, sp. n.

Liocentrum rubripes (356), *hancocki* (357), Camerum, BOLÍVAR T.c., spp. n.

Locusta viridissima with two ovipositors, BERLESE (305-314) Redia 3. — Samenreife OTTE Zool. Anz. 30 (529-535) and (750-754); Musikinstrument, REUKAUF Kosmos Stuttgart 3 (115-116).

Locustidae; synopsis of W. european, BURR (182 etc.) Ent. Rec. 1906.

†*Locustopsis* gen. n. *Locustopsidae* fam. n., *elegans*, *dobbertinensis*, (421), *elongata* (422), spp. n., Lias Mecklenburg, HANDLIRSCH Fossil. Ins.

Macroscirtus kangaroo var. n. *joannis*, BOLÍVAR (366) Madrid Mem. Soc. esp. Hist. nat. 1.

Meronicidius atrispinosus sp. n. Trinidad, BRUNER (159) New York J. Ent. Soc. 14.

Mimetica crenulata sp. n. Costa Rica, REHN (601) Washington U. S. Nation. Mus. Proc. 30.

Molpa Walk. = (*Pyrgophyllax* Br.); *M. latipennis* sp. n. Sumatra, DOHRN (358) Stettiner ent. Ztg. 67.

Monchea Walk. = (*Exocephala* Serv.) BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. 6.

Mormotus scapularis, *pictipes*, *fulvus*, (362), *adapantoides* (363), W. Africa, BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. 1, spp. n.

Orechamus nom. n. pro *Orechesticus* SAUSS. 1859, BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. 6.

Orophus SAUSS. 1861 = (*Anepsia* Br.), BOLÍVAR (391) T.c.

Orpacophora gen. n. for part of *Acanthodis*, KIRBY (313) Cat. Orthopt. 2.

Oxyptila **nom. n.** pro *Oxyprora* Br. 1878, BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. **6**.

Paracryptophyllus **gen. n.** (31), *robustus* **sp. n.** Texas (36) pl. i f. 1, CAUDELL New York J. Ent. Soc. **14**.

†*Parelcana* **gen. n.** *Elecanidae* (420), *tennis* **sp. n.** Lias Mecklenburg (421), HANDLIRSCH Fossil. Ins.

Parga Walk. (= *Amysus* Stål), BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. **6**.

Parysatis **nom. n.** pro *Parysatis* Stål 1874, BOLÍVAR (392) T.c.

Pelerinus **nom. n.** for *Allodapa* Br. 1878, BOLÍVAR (390) T.c.

Pertus **gen. n.** *Pseudophyllides* (351), *pellucidus* **sp. n.** Camerum (352), BOLÍVAR Madrid Mem. Soc. esp. Hist. nat. **1**.

†*Phaneropterites* **gen. n.** *Locustopsidae* for *Phaneroptera germari* Germ., HANDLIRSCH (519) Fossil. Ins.

Phanischnoptera **nom. n.** for *Ischnoptera* Br., KIRBY (444) Cat. Orthopt. **2**.

Phylloptera alliedea, *fosteri*, **spp. n.**, Paraguay, CAUDELL Washington U. S. Nation. Mus. Proc. **30** (238).

Plagioptera bicordata, protective resemblance, POULTON (533) pl. xxxii f. 2 London Trans. ent. Soc. 1906.

Plangiola **gen. n.** *Phaneropterides* (336), *herbacea* **sp. n.** Camerum (337), BOLÍVAR Madrid Mem. Soc. esp. Hist. Nat. **1**.

Platphyllum (?) *modestum* **sp. n.** Trinidad, BRUNER (159) New York J. Ent. Soc. **14**.

Pleminia marmorata Camerum, BOLÍVAR (360) Madrid Mem. Soc. esp. Hist. nat. **1**, **sp. n.**

Polyglochis lichenochroides Camerum, BOLÍVAR (359) T.c., **sp. n.**

Poreuomena gladiator Camerum, BOLÍVAR (338) T.c., **sp. n.**

†*Pseudogryllacris* **gen. n.** for *Gryllacris propinqua* Deichm., HANDLIRSCH (521) Fossil. Ins.

†*Pseudohumbertiella* **gen. n.** for *Humbertiella grandis* Br., HANDLIRSCH T.c. (522).

Puerula **nom. n.** pro *Cora* Br. 1878, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. **6**.

(N-9720 j)

†*Pyenophlebia minor* Kalk Bavaria, HANDLIRSCH (520) Fossil Ins., **sp. n.**

Pyrrhicia conradti Camerum, BOLÍVAR (329) Madrid Mem. Soc. esp. Hist. Nat. **1**, **sp. n.**

Roxelana **nom. n.** for *Parysatis* Stål, KIRBY (352) Cat. Orthopt. **2**.

Saga serrata, BÉRENGUIER Nîmes Pul. Soc. **33** (145-154) av. fig.

Semiophygias binotatus Fernando Po, GRIFFINI (373) Genova Ann. Mus. **42**, **sp. n.**

Spizaphilus **nom. n.** for *Butleria* Brunn., KIRBY (121) Cat. Orthopt. **2**.

Stibaroptera **nom. n.** pro *Stibara* Br. 1878, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. Nat. **6**.

Phyllophorae; stridulation, CARL Arch. Sci. phys. Genève **22** (406, 407).

Tapiena **nom. n.** for *Tapeina* Br., *minor* **sp. n.** Ashanti, BOLÍVAR (331) Madrid Mem. Soc. esp. Hist. nat. **1**.

Tellidia Brunner, merged in *Tetraconcha*, BOLÍVAR (231-235) T.c.

Tetraconcha, synonymy, females described, BOLÍVAR (231-235) Madrid Bol. Soc. espan. Hist. Nat. **6**.

Teuthras carminator Camerum; BOLÍVAR (375) Madrid Mem. Soc. esp. Hist. nat. **1**, **sp. n.**

Tomias obliteratus Biafra, BOLÍVAR (357) T.c., **sp. n.**

Turpilia subinermis **sp. n.** Paraguay, CAUDELL Washington U. S. Nation. Mus. Proc. **30** (239).—*T. grandis* **sp. n.** Costa Rica, REHN (597) Washington U. S. Nation. Mus. Proc. **30**.

Typhloptera **nom. n.** for *Campoptera* Br., KIRBY (309) Cat. Orthopt. **2**.

Udenus W. *nigrum*, BRUNNER (9) pl. ii f. 9 Résultat Belgica, Zool.

Vossia doriae Fernando Po, GRIFFINI (395) Genova Ann. Mus. **42**, **sp. n.**

Xiphelimum **gen. n.**, *amplipenis* **sp. n.** Paraguay, CAUDELL Washington U. S. Nation Mus. Proc. **30** (241).

Xiphidiola **gen. n.** *Meconemidae* (364), *nigrospinosa*, *concolor*, **spp. n.**, Fernando Po, (365), BOLÍVAR Madrid Mem. Soc. esp. Hist. Nat. **1**.

Xiphidiopsis nitratus (373), *hubianus*, *lineatus*, (374), Fernando Po, BOLÍVAR T.c., **spp. n.**

Xiphidium strictoides sp. n. Paraguay, CAUDELL Washington U. S. Nation. Mus. Proc. 30 (242).

†*Zalmonites* gen. n., *geinitzi* sp. n., Lias Mecklenburg, HANDLIRSCH (422) Fossil. Ins.

The entries below have appeared previously in the Zoological Record.

(*Anabropsis marmorata*, *costaricensis*, REHN, Philadelphia Pa. Proc. Acad. Nat. Sci. 57 spp. n.)

(*Anaulacomera -digitata* REHN, T.c. sp. n.)

(*Cocconotus rarus* REHN, T.c. sp. n.)

(*Conocephalus diversus* REHN, T.c. sp. n.)

(*Lichenochrus narmoratus* REHN, T.c. sp. n.)

(*Turpilia linearis* REHN, T.c. sp. n.)

ACRIDIDAE.

Orthoptera of Western Europe, synopsis continued, BURR Ent. Rec. London 1906 (9-11 etc. etc.).

Acanthozia nom. n. pro *Gonyacantha* Stål 1873, BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. 6.

Aceridium succinctum, natural history, MAXWELL LEFROY, Mem. dep. Agric. Ind. entom. ser. 1.

Ageneotettix arenosus sp. n. Illinois, HANCOCK (253). Ent. News 17.

Alcamenes cristatus sp. n. Paraguay, BRUNER (650) Washington U. S. Nation. Mus. Proc. 30.

Aleusa brachypterus sp. n. Paraguay, BRUNER (667) T.c. 30.

Allotettix chipmani sp. n. Trinidad, BRUNER (146) New York J. Ent. Soc. 14.

Amblyscapheus gen. n. (632) near *Staurorhectus*, *lineatus* sp. n. Paraguay (633), BRUNER Washington U. S. Nation. Mus. Proc. 30.

Amblytropedia robusta sp. n. Paraguay, BRUNER (631) T.c.—*A. chapadensis* sp. n. Brazil, REHN Washington U. S. Nation. Mus. Proc. 30 (371).

Anconia grisea, California, *caeruleipennis* Nevada, BRUNER (186) Biol. Centr.-Amer. Orthopt. 2, spp. n.

Amphibotettix gen. n. (86), *longipes* sp. n. Borneo (87), HANCOCK Ent. News 17.

Apotettix bruneri (Hancock) sp. n. Paraguay, BRUNER (614) Washington U. S. Nation. Mus. Proc. 30.

Apotropis nom. n. pro *Tritropis* Br. 1893, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. Nat. 6.

Arnilia minor sp. n. Guatemala, BRUNER (9-13) Ohio Nat. 7.—*A. coecineipes* sp. n. Paraguay, BRUNER (659) Washington U. S. Nation. Mus. Proc. 30.

Aularches miliaris, natural history, GREEN Circ. Bot. Gard. Ceylon 3 (227-236).

Batrachidea notata (Hancock) sp. n. Paraguay, BRUNER (616) Washington U. S. Nation. Mus. Proc. 30.

Borellia gen. n. near *Staurorhectus*, *carinata* sp. n. Brazil, REHN Washington U. S. Nation. Mus. Proc. 30 (379).

Brachystola ponderosa, *intermedia*, (194), *mexicana* pl. ii f. 4 (195), *eiseni* f. 5 (196), spp. n., Central America; *B. belwensi* pl. ii f. 6; BRUNER Biol. Centr. Amer. Orthopt. 2.

Bryodemata tuberculatum, Lebensweise, ADELUNG [SKALOZUBOV] Tobolisk Ježeg. mus. 15 (1-18).

Bucephalacris paraguayensis sp. n. Paraguay, BRUNER (665) Washington U. S. Nation. Proc. 30.

Calamaecris californica Lower California, pl. iv figs. 24 and 25, *mexicana* Mexico f. 26 (201), *palmeri* Lower California, *oculata* Arizona, (202); BRUNER Biol. Centr.-Amer. Orthopt. 2.

Cannula nom. n. pro *Calanus* Sauss. 1886, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. Nat. 6.

Celes skalozubovi sp. n. Tobolsk, ADELUNG Tobolisk Ježeg. mus. 15 (1-18).

Cephaloeoema burmeisteri Paraguay, BRUNER (619) Washington U. S. Nation. Mus. Proc. 30, sp. n. ?

Chlorus vittatus sp. n. Paraguay, BRUNER (690) Washington U. S. Nation. Mus. Proc. 30.

Chrysochaon brachypterus Variabilität, WERNER Wien Jahrb. Entom. Ver. 16 (25-31).

Circotettix rubula sp. n. Yellowstone Park, REHN and HEBARD (393) Philadelphia Proc. Acad. 58.

Cocytotettix nom. n. for *Penestra* Br. nec Gigl. T., REHN (30) Philadelphia Proc. Acad. Nat. Sci. 58.—*C. linearis* sp. n. Brazil, REHN Washington U. S. Nation. Mus. Proc. 30 (374).

Cornops scudderii sp. n. Guatemala, BRUNER (9-13) Ohio Nat. 7.

Cratolopus nom. n. pro *Cratippus* Stål 1875, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. 6.

Cylindrotettix gen. n. near *Leptysmia*, *insularis* sp. n. Trinidad, BRUNER (153) New York J. Ent. Soc. 14.

Demochares nom. n. pro *Demonax* Stål 1878, BOLÍVAR (391) Madrid Bol. Soc. esp. Hist. nat. 6.

Derocorys fumeipennis sp. n. Turgai-Gebiet, ADELUNG Mat. faun. flor. Ross. Zool. 7 (82-92).

Dichroplus robustus (679), *paraguayensis* (680), *dubius*, *brasiliensis*, (682), *cinclipes* (683), spp. n., Paraguay, BRUNER Washington U. S. Nation. Mus. Proc. 30.

Diedronotus nom. n. pro *Tropinotus* Serv. 1831, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. nat. 6.

Diponthus paraguayensis sp. n. Paraguay, BRUNER (657) Washington U. S. Nation. Mus. Proc. 30.

Dolotettix gen. n. *Tetriginae*, *spinifrons* sp. n. New Guinea, HANCOCK (13) pl. i. f. 2 Genera Insectorum 48.

Duronia kalmyka sp. n. Turgai-Gebiet, ADELUNG Mat. faun. flor. Ross. Zool. 7 (82-92).

Eomorphopus gen. n. (37), for *Amorphopus antennatus* Bol., and *granulatus* sp. n. Dutch Guiana (38), HANCOCK Gen. Ins. fasc. 48.

Eotettix hebarði sp. n. Georgia, REHN (235) Ent. News 17 (234-237).

Epacromia terygestina var. n. *viridis*, MABILLE (40) Paris Ann. Soc. ent. 75.

Euxyalidium gen. n. for part of *Gaviolidium dentumensis* sp. n. Borneo, HANCOCK (24) Gen. Ins. fasc. 48.

Eurotettix gen. n. (691) near *Chlorus*, *femoratus*, *minor*, spp. n., Paraguay, (692), BRUNER Washington U. S. Nation. Mus. Proc. 30.

Eurymorphopus gen. n. for *Amorphopus cinctatus* Bol., HANCOCK (35) Gen. Ins. fasc. 48.

Euryxalis gracilis Gigl.-Tos. (as *Hyalopteryx*) = (*minor* Br.), REHN (15) Philadelphia Pa. Proc. Acad. 58.

Penestra; validity (cf. *Cocytotettix*), REHN (32) Philadelphia, Pa. Proc. Acad. 58.

Gigliotisia nom. n. pro *Scopis* Tos 1894, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. Nat. 6.

Gladiotettix nom. n. for *Nephela* Bol., HANCOCK (40) Gen. Ins. fasc. 48.

Gomphocerus rufus, Variabilität, WEINER Wien JahrBer. Entom. Ver. 16 (25-31).

Hippiscus immaculatus sp. n. Texas, MORSE (119) Psyche 13.

Hyalopteryx interrupta (Brunner?) = *lamellipes* sp. n., *specularis* sp. n. Paraguay, BRUNER (623) Washington U. S. Nation. Mus. Proc. 30.—*H. usinus* sp. n. Brazil, REHN (12) Philadelphia Proc. Acad. 58.

Hysiella nom. n. pro *Hysia* Stål 1876, BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. 6.

Icthyidion mexicanum Sauss. BRUNER pl. iv f. 22 (202) Biol. Centr.-Amer. Orthopt. 2.

Inusia chipmuni sp. n. Trinidad, BRUNER (154) New York J. Ent. Soc. 14.—*I. pallida* sp. n. Paraguay, BRUNER (660) Washington U. S. Nation. Mus. Proc. 30.

Isonyx gen. n. near *Borellia*, *paraguayensis* sp. n. Sapucay, REHN (36) Philadelphia Proc. Acad. 58.

Leiotettix gen. n. (684) near *Dichroplus*, *viridis* (685), *punctipes* (686), *sanguineus*, *flavipes*, (687), spp. n., Paraguay, BRUNER Washington U. S. Nation. Mus. Proc. 30.

Leptysmia minima sp. n. Trinidad, BRUNER (152) New York J. Ent. Soc. 14.—*L. argentina*, *gracilis*, spp. n., BRUNER (658) Washington U. S. Nation. Mus. Proc. 30.

Liotettix nom. n. pro *Prototettix* Bol. 1887, BOLÍVAR (393) Madrid Bol. Soc. esp. Hist. nat. 6.

Melanoplus scudderii var. n. *texasis*, HART (158) Ent. News 17.—*M. latens*

(120), *tepidus*, *tribuloides*, *tuberculatus*, (121), N. America, **spp. n.**; *M. scudderi* *latus* var. n. (122); MORSE *Psyche* 13.

Mesoscirtus **gen. n.** near *Stenobolurus* (634), *australis* **sp. n.** Paraguay (635), BRUNER Washington U. S. Nation. Mus. Proc. 30.

Mesochlora micolor **sp. n.** Texas, HART (157) *Ent. News* 17.

Mesopsis **nom. n.** pro *Mesops* Serv. 1839 [?], BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. 6.

Miriadra **nom. n.** pro *Mitraria* Bol. 1837, BOLÍVAR (392) T.c.

Muciera **nom. n.** pro *Muceria* Stål. 1878, BOLÍVAR (392) T.c.

Mumtia australis **sp. n.** Paraguay, BRUNER (644) Washington U. S. Nation. Mus. Proc. 30.

Nomotettix cristatus denticulatus var. n., MORSE (119) *Psyche* 13.

Onalotettix **gen. n.** (672) near *Jodaeris*, *signatipes* **sp. n.** Paraguay (673), BRUNER Washington U. S. Nation. Mus. Proc. 30.

Orphula guatemalae **sp. n.** Guatemala, BRUNER (9-13) Ohio Nat. 7.

Orphulella obscura **sp. n.** Paraguay, BRUNER (627) Washington U. S. Nation. Mus. Proc. 30.—*Orphulella chipmuni* (149), *insularis* (150), Trinidad, BRUNER New York J. Ent. Soc. 14, **spp. n.**—*Orphulella walkerii* **sp. n.** Guatemala, BRUNER (9-13) Ohio Nat. 7.

Orphulina veleratoria (21), *acuta* (23), Brazil, REHN Philadelphia Proc. Acad. 58, **spp. n.**

Orthoscapheus **gen. n.** (671) near *Jodaeris*, *roseipennis* **sp. n.** Paraguay (672), BRUNER Washington U. S. Nation. Mus. Proc. 30.

Otumba mareapecta Peru, *denticata* Costa Rica, HANCOCK (44) Gen. Ins. fasc. 48, **spp. n.**

Paracornops paraguayense, *aquaticum*, (663), *politum* (664), **spp. n.**, Paraguay, BRUNER Washington U. S. Nation. Mus. Proc. 30.

Paralenas fosteri (669), *punctipennis* (670), Paraguay, *minor* Brazil (669), **spp. n.**, BRUNER T.c.

Parascopas **nom. n.** for *Scopas* Giglio-Tes, præc., BRUNER (689) T.c.

Paurotarsus rugosus **sp. n.** Trinidad, BRUNER (148) New York J. Ent. Soc. 14.

Phalaca **nom. n.** pro *Phemonoë* Stål 1878, BOLÍVAR (392) Madrid Bol. Soc. esp. Hist. nat. 6.

Phelene **nom. n.** pro *Nephete* Bol. 1887, BOLÍVAR (392) T.c.

Phrynotettix; species tabulated (197), *P. tschicarenensis* Hald. pl. ii f. 1 (198), *robustus* figs. 2 and 3 (199); BRUNER Biol. Centr.-Amer. Orthopt. 2.

Platybolus alticola **sp. n.** Utah, REHN (281) *Ent. News* 17.

Platyotettix **gen. n.**, *reticulatus* **sp. n.** Peru, HANCOCK (80) *Ent. News* 17.

Plesiotettix **gen. n.** *Metrodora*, *nucinatulus*, *spinosis*, **spp. n.**, Peru, HANCOCK (34) Gen. Ins. fasc. 48.

Podisma oreas **sp. n.** Yellowstone Park, REHN and HERARD (402) Philadelphia Proc. Acad. 58.—*P. scudderi* **sp. n.** Alabama, MORSE (120) *Psyche* 13.

Podisma pedestris, Lebensweise, ADELUNG [SKALOZUBOV] Tobolisk Ježeg. mus. 15 (1-18).

Praxibulus **nom. n.** pro *Praxilla* Stål 1878, BOLÍVAR (393) Bol. Soc. esp. Hist. nat. 6.

Prostalia **nom. n.** pro *Pompholyx* Stål 1873, BOLÍVAR (393) T.c.

Pseudomitriaria **gen. n.** for *pontificalis* Rehn, HANCOCK (50) Gen. Ins. fasc. 48.

Pyenogaster eucnallatus Charp., BOLÍVAR (390) Madrid Bol. Soc. esp. Hist. nat. 6.

Pyenosareus **nom. n.** pro *Polysareus* Sauss. 1859, BOLÍVAR (392) T.c.

Ramburiella **nom. n.** pro *Ramburia* Bol. 1879, BOLÍVAR (393) T.c.

Ramona **gen. n.** *Oedipodinae* (186), *deserticola* **sp. n.** California (187), BRUNER Biol. Centr.-Amer. Orthopt. 2.

Scabrotettix **gen. n.** for part of *Metrodora* (46), *scabrosus*, *bolivianus*, *acutibus*, Bolivia, **spp. n.**, (47), HANCOCK Gen. Ins. fasc. 48.

Scaria producta Peru, HANCOCK (70) T.c., **sp. n.**

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Sitalces trinitatis **sp. n.** Trinidad, BRUNER (155) New York J. Ent. Soc. **14**.

Sphenarium bolicari, *marginatum*, (205), *rugosum*, *barretti*, (206), *platum*, *minimum*, (207), **n. spp.**, Mexico; *S. borrei* Boliv. pl. iv. f. 21; BRUNER Biol. Centr.-Amer. Orthopt. **2**.

Spilingonotus grobbeni Egypt, WERNER (118) Wien Sitz. Ber. Ak. **114** Abt. 1, **sp. n.**—*S. suschkini* **sp. n.** Turgai-Gebiet, ADELUNG Mat. faun. flor. Ross. Zool. **7** (82-92).

Staurorhectus longicornis subsp. **n.** *variegatus*, *brevipennis* **sp. n.** Brazil, REHN Washington U. S. Nation. Mus. Proc. **30** (377).—*S. glaucipes* **sp. n.** Paraguay, REHN (34) Philadelphia Proc. Acad. **58**.

Stenobothrus brölemanni Pyrénées-or., AZAM (128) Paris Bull. Soc. ent. **1906**, **sp. n.**—*S. biguttatus*, *lineatus*, WERNER Wien Jahrb. Entom. Ver. **16** (25-31).—*S. biguttatus*, Lebensweise, ADELUNG [SKALOZUBOV] Tobolsk Ježeg. mus. **15** (1-18).

Stenodorsus **gen. n.** *Tettigidae* (90), *extenuatus* **sp. n.** Peru (91), HANCOCK Ent. News **17**.

Stereotettix **gen. n.** near *Staurorhectus*, *paralogistes* **sp. n.** Brazil, REHN Washington U. S. Nation. Mus. Proc. **30** (381).

Stethophlyma flavicosta var. **n.** *turgaica* Turgai-Gebiet, ADELUNG Mat. faun. flor. Ross. Zool. **7** (82-92).

Stirapleura brunnea **sp. n.** Brazil, REHN Washington U. S. Nation. Mus. Proc. **30** (390).—*S. bruneri* nom. **n.** for *signatipennis* Br., REHN (49) Philadelphia Proc. Acad. **58**.

Tanoocerus **gen. n.** *Oedipodinae* (191), *koebelei* California **sp. n.** (192), BRUNER Biol. Centr.-Amer. Orthopt. **2**.

Taxiarchus paracensis **sp. n.** Amazonas, REHN Ent. News **17** (332-334).

Tefrinda **nom. n.** pro *Chthonius* Bol. 1887, BOLIVAR, (391) Madrid Bol. Soc. esp. Hist. nat. **6**.

Teredornus **gen. n.** *Tetrigidae* (52), *stenofrons* **sp. n.** Peru (53) pl. iv. f. 42, HANCOCK Gen. Ins. fasc. **48**.

Tettigidea trinitatis, *imperfecta*, Trinidad, BRUNER (147) New York J. Ent. Soc. **14**, **spp. n.**

Tettix gracilis **sp. n.** Trinidad, BRUNER (145) T.c.

Trachyrhachis rubripennis Arizona, BRUNER (177) Biol. Centr.-Amer. Orthopt. **2**, **sp. n.**

Trigonafemora **gen. n.** *Tettigidae*, *fossulatus* **sp. n.** Peru, HANCOCK (89) Ent. News **17**.

Trimerotropis bilobata **sp. n.** Colorado, REHN and HERARD (382) Philadelphia Proc. Acad. **58**.—*T. townsendi*, Mexico, BRUNER (180) Biol. Centr.-Amer. Orthopt. **2**, **sp. n.**

Tropinotus mexicanus Mexico (645), *affinis* (646), *lineatus* (648), Paraguay, **spp. n.**, BRUNER Washington U. S. Nation. Mus. Proc. **30**.

Tytlhotyle maculata Brun. pl. ii f. 9 (197); BRUNER Biol. Centr.-Amer. Orthopt. **2**.

Xyronotus aztecus Sauss. pl. iv f. 23, (203); BRUNER T.c.

Zoniopoda similis (652), *fissicauda* (653), *exilipes*, **spp. n.**, (654), Paraguay, BRUNER Washington U. S. Nation. Mus. Proc. **30**.

Zonocerus elegans, Schädlichkeit, VOSSELER Pflanze, Tanga **2** (65-68).

(*Plectrotettix raripes* Paraguay, BRUNER Ent. News **16** 1905 (214-216) **sp. n.**)

(*Scolocephalus* **gen. n.**, *mirabilis* **sp. n.** Costa Rica BRUNER, Ent. News **16** 1905 (313-316).)

(*Taxiarchus septentrionalis* Costa Rica BRUNER Ent. News **16** 1905 (313-316), **sp. n.**)

(*Tropinotus gracilis*, *regularis*, BRUNER, Ent. News, **16**, 1905, (214-216), **spp. n.**.)

(*Zygoclistron* **gen. n.**, *trachystictum* **sp. n.** Paraguay REHN, Ent. News **16** 1905 (37-42).)

THYSANURA. s.l.

Thysanura and *Collembola* of Sweden, synopsis; WAHLGREN (233-270) Uppsala Ent. Tidskr. 27.

Key (that of Dalla Torre) to the families and genera, JACKSON Ohio Nat. 6, (545-549) with text fig.

Die niederen Insecten der Umgebung von Bologoje (Russ.); FILIPITSCHENKO St. Petersburg Ber. Susswasserst. Naturf. Ges. 2 (142-151); deutsches Rés. (151-152).

Metamorphosis in *Thysanura*, new terms; HEYMANS (253) Berlin SitzBer. Ges. naturf. Fr. 1906.

Acerotelsa collaris, distribution, PAIVA Calcutta J. and Proc. As. soc. Beng. 2 (346).

Alломachilis gen. n. (325), *froygatti* sp. n. N. S. Wales (326), SILVESTRI Redia 3.

Assmuthia gen. n. (744), *spinosissima* Indien (746), *uermis* Indien (749), spp. n.; ESCHERICH Zool. Anz. 30.

Aetlura kohli sp. n. Stanleyville, ESCHERICH (740) T.c.

Ctenolepisma tavaresi Lisbon, NAVÁS (156) Broteria 5, sp. n.

Hemateleura gen. n. (738), *convivens* sp. n. Para (739), ESCHERICH Zool. Anz. 30.

Lepisma eburea Portugal, NAVÁS (154) Broteria 5, sp. n.—*L. saccharina* food-habits, GARMAN Washington Bull. U. S. Dept. Agric. Bur. Ent. No. 60 (174-177).

Machilinus geayi Fr. Guiana, SILVESTRI (334) Redia 3, sp. n.—*M. rupestris*, aus Bessarabien; Lebensweise, SHUGUROV Rev. russ. ent. 6 (29-31).

Machilis; the species described by Lucas, *M. acuminithorax*, etc., SILVESTRI Redia 3 (336-340) 3 fig.—*M. bowwieri* Tonkin, SILVESTRI (328) T.c., sp. n.

Machiloides malagassus Madagascar, SILVESTRI (332) T.c., sp. n.

Platystelea gen. n. (741), *barbifer* sp. n. India with *Termes* (743), ESCHERICH Zool. Anz. 30.

Praemachilis confucius (329), *longistylus* (331), China, SILVESTRI T.c., spp. n.

COLLEMBOLA. s.l.

Classification of *Collembola*, with diagram, BÖRNER (147-165) Hamburg Jahrb. wiss. Anst. 23 Beih. 2.

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Acanthanura subg. n. of *Anura* for *dendyi*, BÖRNER (168) Hamburg Jahrb. wiss. Anst. 23 Beih. 2.

Acanthurella subg. n. cf. *Lepidocyrtus*.

Achorutes filiformis (228), *toraceus* (229), Torne Lappmark, WAHLGREN Uppsala Ent. Tidskr. 27, spp. n.—*A. (Guatholouche* subg. n.) *lipaspis*, *A. hirtellus* Java, BÖRNER (170) Hamburg Jahrb. wiss. Anst. 23 Beih. 2, spp. n.

Agrenia gen. n. type *Isotoma bidenticulata*, BÖRNER (171) T.c.

Allaema gen. n. typus *fusca* L., BÖRNER (183) T.c.

Alloscopus subg. n. cf. *Heteromurus*.

Arrhopolites gen. n. Typus *caceus* Tbg., BÖRNER (182) Hamburg Jahrb. wiss. Anst. 23 Beih. 2.

Ballistura subg. n. of *Isotoma* for *I. schotti*, BÖRNER (172) T.c.

Callytrura subg. n. cf. *Paronella*.

Campylothorax schafferi Brasilien, BÖRNER (179) Hamburg Jahrb. wiss. Anst. 23 Beih. 2, sp. n.

Ceratrimeria gen. n. for *Schottella maxima*, BÖRNER (167) T.c.

Chondrachorutes gen. n., *tuberculatus* sp. n. Falkland islds, WAHLGREN Wissenschaft. schwed. Sudpolar. Exp. 5 Lief. 9 (5) figs. 1-6.

Cryptopygus cinctus Falkland islds. etc. (11) f. 19, *caceus* S. Georgia islds. (12) figs. 20 and 21, WAHLGREN T.c., spp. n.

Cyphoderus javanus Tjibodas, *agnotus* Argentina, (180), *assimilis* Kairo and Westindien (181), BÖRNER Hamburg Jahrb. wiss. Anst. **23** Beih. **2**, **spp. n.**

Dicranocentrus silvestrii var. n. *amulata*, BÖRNER (176) T.c.

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Entomobrya anomala Ireland, CARPENTER (40) pl. ii figs. 8–15 Dublin Proc. R. Dublin Soc. **11**, **sp. n.**—*E. (Homidia)* subg. n.) *cingula* Java **sp. n.**, BÖRNER (174) Hamburg Jahrb. wiss. Anst. **23** Beih. **2**.

Gnatholonche subg. n. cf. *Achorutes*.

Guthriella gen. n. type *Isotoma muskegis*, BÖRNER (172) Hamburg Jahrb. wiss. Anst. **23** Beih. **2**.

Heteromurus (*Alloscopus* subg. n.) *tetracantha*, *lenuicornis*, Java, BÖRNER (177) T.c., **spp. n.**

Holacanthella gen. n. for *Anoura spinosa*, BÖRNER (169) T.c.

Homidia subgen. n. cf. *Entomobrya*.

Hypogastrura relii Sao Paolo, BÖRNER (166) Hamburg Jahrb. Wiss. Anst. **23** Beih. **2**, **sp. n.**

Isotoma incisa Torne Lappmark, WAHLGREN (229) Uppsala Ent. Tidskr. **27**, **sp. n.**—*I. producta* nom. n. for *elongata* Axels. (11), *agilis* Stsch. (an sp. n.) (12) figs. 8–11, AXELSON Helsingfors Acta Soc. Fauna Fl. Fenn. **28** No. 2. —*I. hibernica* Ireland, CARPENTER (40) pl. ii figs. 1–7 Dublin Proc. R. Dublin Soc. **11**, **sp. n.**—*I. fimetaria* and *minuta* and *Templetonia nitida*, occurrence in profusion in cisterns etc. in the city of Edinburgh; LINDSAY Edinburgh Taans. Nat. Soc. **5** (267–276).—*I. malvinensis* (13) figs. 22–28, *punctata*, *tigrinella*, (14), *ornata* (15) figs. 33–35, Falkland islds., WAHLGREN Wissenschaft. Ergeb. schwed. Südpolar Exp. **5** Lief. 9, **spp. n.**

Isotomurus palustris tricuspis subsp. n. BÖRNER (173) Hamburg Jahrb. wiss. Anst. **23** Beih. **2**.

Katianna gen. n. Typus *mnemosyne* C.B., BÖRNER (182) T.c.

Lepidocyrtus vicarius Japan (175) L. (*Acanthurella* subg. n.) *braueri* Seychelles (176), *javanus* Java (177), BÖRNER (175–177) T.c., **spp. n.**

Lipothrix subg. n. typus *lubbocki* Tbg., BÖRNER (183) T.c.

Lobella subg. n. cf. *Protanura*.

Megalothorax minimus, plate figs. 1, 2, BÖRNER Gen. ins. **45**.

Morulina subg. n. of *Protanura* type *P. gigantea* Thunb., BÖRNER (167) Hamburg Jahrb. wiss. Anst. **23** Beih. **2**.

Neelidae; account of, BÖRNER (1–5) 1 pl. Gen. ins. **45**.

Paronella tarsata (177), *setigera* (178), *P. (Callyntrura)* subg. n.) *anopla* (179), Java, BÖRNER (177–179) Hamburg Jahrb. wiss. Anat. **23** Beih. **2**, **spp. n.**

Proisotoma (*Isotomina*) *pentatoma* Brasilien, BÖRNER (173) T.c., **sp. n.**

Protanura gen. n. *Achorutini*, *kracepini* **sp. n.** Java, BÖRNER (167) T.c.—*P. (Lobella)* subg. n.), *sauteri* **sp. n.** Japan, BÖRNER (168) T.c.

Pseudachorutes asper Brasilien, BÖRNER (166) T.c., **sp. n.**

Ptenothrix gen. n. typus *atra* L. (184), *P. gracilicornis gibbosa* subsp. n. (185), BÖRNER T.c.

Rastiopes subg. n. typus *Bourletella aculeata* Schtt., BÖRNER (182) T.c.

Sphyrotheca gen. n. typus *multifasciata* Rt., BÖRNER (183) T.c.

Stenacidia subg. n. of *Sminthurides*, typus *violaceus* Rt., BÖRNER (182) T.c.

Triacanthella rosca Tierra del Fuego, WAHLGREN Wissenschaft. Ergeb. schwed. Südpolar Exp. **5** Lief. 9 (7) figs. 7–13, **sp. n.**

Tullbergia quadrispina (an sp. n.?) Reval, AXELSON (10) figs. 1–4 Helsingfors Acta Soc. Fauna Fl. Fenn. **28** No. 2. —*T. insularis* Falkland islds. etc., *mixta* S. Shetlands, (8), *spinosissima* Tierra del Fuego (9) figs. 14 and 15, WAHLGREN Wissenschaft. Ergeb. schwed. Südpolar Exp. **5** Lief. 9, **spp. n.**

Vertagopus subg. n. of *Isotoma* for *cinerca* Nic., BÖRNER (171) Hamburg Jahrb. Wiss. Anst. **23** Beih. **2**.

XIII. PROCHORDATA

incl. ENTEROPNEUSTA

ARRANGED BY I. B. J. SOLLAS

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XIV. VERTEBRATA

(GENERAL)

i.e., complementary to Mammalia, Aves, Reptilia, and Pisces

ARRANGED BY D. SHARP

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Skeleton. Osteology and Dentition.

Skelet der Siluroidei; **Koschkaroff**.

Osteologie der Baikalsee-Cataphracti. (Russ.); **Berg**, 6.

Osteologie und Schuppen, *Lyrolepis caucasicus*. (Russ.); **Romanovskij**.

Cranio dei Teleostei. IV. *Pomatomus*, *Hoplostethus*; **Supino**, 3.

Cranium, *Clarias*; **Schelaputin**.

Das von Eimer beschriebene Brustbein vom Karpfen (*Cyprinus carpio*); **Baehr**.

Flossen-Anatomie; **Abel**.

Skeleton, *Myxine*; **Cole**.

Skeleton, Arthrodira; **Hussakof**.

Jaw, mechanism, Arthrodira; **Hussakof**.

Skull, *Aulastomatomorpha*; **Lloyd**.

Otoliths, teleostei; **Scott**, T.

Otoliths, 34 spp. n. teleostei founded on; **Schubert**, 2, 3.

Dentition, *Piabuca*; **Rowntree**.

(Osteology of *Caularchus maeandricus*; **Starks**, 2.)

(. . . Fossilisch *Lyrolepis caucasicus* Rom., Osteologie; **Romanovskij**.)

Alimentary System.

Isole di Langerhans del pancreas; **Diamare**.

(Breathing and feeding mechanism of lampreys; **Dawson**, J., 1, 2.)

Vascular and Respiratory Systems, Lymph and Special Glands: excretory Organs.

Morfologia e sviluppo dei vasi, seni e cuori caudali nei Ciclostomi e nei Pesci; **Favaro**, 1.

Eigentümliche Drüsenzellen im Gefäßsystem und in anderen Organen bei Fischen; **Plehn**, 2.

Spiracular gill cleft in *Lepidosiren* and *Protopterus*; **Agar**.

Circulations- und Respirationsapparat, *Monopterus javanensis* Lac; **Volz**, 2.

Das Kiemenfilter der Teleostee; **Zander**, 1, 2.

Sur l'artère coronaire chez les Téléostéens; **Lévadoux**.

„Stäbchendrüsenzellen“ (M. Plehn) sont des Sporozoaires parasites; **La-guesse**.—Entgegnung darauf v. **Plehn**.

Corpi postbranchiali dei pesci; **Supino**, 1.

Circulation, capsules surrénales, Lophobranches; **Srdínko**, 1.

(Blood-vascular system of Loricati, mail-cheeked fishes; **Allen**, 1.)

Voies principales et organes de propulsion de la lymphe chez certains poissons; **Jossifov**.

Lymphherz und Gefässe, Kritik; **Favaro**.

Distribution of the lymphatics in the head, and in the dorsal, pectoral, and ventral fins of *Scorpaenichthys marmoratus*; **Allen, 2.**

Appareil urinaire des Elasmobranches; **Borcea, 1.**

(. . . Morphologie du rein des Elasmobranches; **Borcea, J., 3.)**

Reins, *Caularchus maeandricus*; **Guitel, 2, 3.**

Anatomie des reins de quelques Gobiésocidés; **Guitel, 1.**

Structure de la vessie urinaire de *Barbus fluviatilis* Agassiz; **Audigé.**

Existence du tissu myéloïde dans le rein des Plagiostomes; **Ciaccio.**

Reproductive Organs.

Système urogénital des Elasmobranches, anatomie et histologie; **Borcea, 2.**

Other organs (including colour and doubtful).

Vesica natatoria, Histologie u. Physiologie; **Jaeger.**

Die Luftwege der Schwimmblasen; **Thilo.**

Beiträge zur Kenntnis der Gasdrüse bei den Knochenfischen (Polish); **Reis, 1.**

Weitere Beiträge zur Kenntnis der Gasdrüse bei den Knochenfischen (Polish and German); **Reis, 2.**

Electric organ, *Astrocopus* (Brevoort); **Dahlgren and Silvester.**

Electric organ, new type, *Astroscopus*; **Dahlgren.**

Elektrische Organe der Fische, feinerer Bau; **Schultze.**

Feinerer Bau des schwach-elektrischen Organs, *Mormyrus oxyrhynchus*; **Schlichter.**

Leuchtorgane der Fische; **Trojan, 2.**

Etude histologique et cytologique sommaire de l'organe de l'*Ammocoetes branchialis* improprement nommé corps thyroïde; **Renaut et Pollicard.**

Über den Bau der Fettzellen bei *Acipenser ruthenus*; **Nemiloff.**

Répartition des chromoblastes dans le péritoine de quelques Cyprinidés; **Roques, E. G.**

PHYSIOLOGY.

5411

General.

(Temperature du *Thynnus alalunga*; **Portier.**)

Physiology of the digestive tract of Elasmobranchs; **Sullivan.**

I cambiamenti nell'epitelio intestinale del *Box salpa* L. durante l'assorbimento; **Arcangeli.**

Respiration des poissons et technique employée à son étude; **Roques, L.**

Analyse graphique des mouvements respiratoires des poissons téléostéens; **François-Franck, 1.**

Function, Sense Organs.

Hören der Fische; **Körner.**

Versuche über das Hören der Fische; **Brüning.**

Gehör der Fische. (Ungarisch); **Gorka.**

Audition des poissons; **Marage.**

Expérimentation sur les canaux semi-circulaires de l'oreille des poissons; **Lafite-Dupont, 1.**

(Expérimentation sur l'orientation des poissons. Lésions des canaux semi-circulaires de l'oreille interne; **Lafite-Dupont, 2.)**

Color-discrimination in the creek chub, *Semotilus atromaculatus*; **Washburn and Bentley.**

Function, special structures.

Nageoires, rôle des; **Dugès, 1.**

(Rôle des nageoires chez les poissons; **Dugès, 2.)**

(Functions of fins of fishes; **Osburn.**)

Flight of flying-fish; **Durnford. — Adams. — Abel. — Lull.**

(Schwimmblase als Sinnesorgan; **Waldschmidt.**)

Swimbladder, degenerate gland; **Prince.**

Gasrüse und Oval in der Schwimmblase, Knochenfische, Bau und Function; **Reis und Nusbaum.**

Elektrisches Organ bei *Torpedo*, Natur der Kette; **Bernstein und Tschermak.**

Note complémentaire sur les mouvements actifs de la membrane limitante operculaire des poissons téléostéens; **Francois-Franck, 3.**

Fonctionnement de la membrane limitante operculaire; son rôle dans la respiration régulière et dans les mouvements respiratoires redoublés chez les poissons téléostéens; **François-Franck, 2.**

Riflesso orbicolare delle palpebre. *Seyllium*; **Rynberk, 1.**

Physiologie der intraocularen Musculatur, *Selachii*; **Franz.**

Fonctionnement des grandes cellules à granulations éosinophiles du tissu lymphoïde du Protoptère; **Stephan.**

Environmental Effects.

Osmotic relations between fishes and their surrounding medium; **Sumner, 2.**

Effects upon fishes of changes in the density and salinity of water; **Sumner, 1.**

Ueberführung von Stichlingen in Seewasser; **Bade, Müllegger.**

Experiments on the reaction of fishes, both living and dead, towards induction currents of electricity. (Japanese); **Fujita.**

Modifications des leucocytes acidophiles chez certains téléostéens marins soumis à des variations de salure; **Drzewina.**

Quelques phénomènes accompagnant chez l'anguille le passage expérimental de l'eau de mer dans l'eau douce; **Quinton, 2.**

Degré de concentration saline du milieu vital de l'anguille dans l'eau de mer et dans l'eau douce et après son passage expérimental de la première dans la seconde; **Quinton, 1.**

Communication osmotique chez le poisson sélacien marin entre le milieu vital et le milieu extérieur; **Quinton, 3.**

Absence de communication osmotique chez le poisson téléostéen marin entre le milieu vital et le milieu extérieur; **Quinton, 4.**

(Stimulation of integumentary nerves of fishes by light; **Parker.**)

(A sight reflex shown by sticklebacks; **Garrey.**)

Regeneration.

Experimentelle Flossenregeneration bei europäischen Süßwasserfischen; **Bogacki.**

Regeneration of certain structures, *Fundulus heteroclitus*; **Morrill.**

Chemical Physiology.

Vergleichende chemische Untersuchungen an den Muskeln, den elektrischen Organen und dem Blutserum von *Torpedo ocellata*; **Baglioni.**

Darstellung und Analyse einiger Nucleinsäuren. 11. Mitt.: Ueber die Nucleinkörper des Eies des Schellfisches (*Gadus aeglefinus*). 12. Mitt.: Nucleinsäure der Spermatozoen des Maifisches (*Alosa*); **Levene und Mandel.**

DEVELOPMENT. 5415

General.

Eggs, *Lota maculosa*; **Prince and Halkett.**

Doppel- und Eientwicklung, *Seyllium*; **Joseph.**

Chimaeroid fishes and their development; **Dean, 2.**

Entwicklungsgeschichte niederer Haie; **Braus, 3.**

Développement, *Solea vulgaris*; **Fabre-Domergue et Biétreix.**

Entwicklung, *Sebastes marinus*; **Nordgaard, 3.**

Zona plasmatica perinucleare nell'oozite di alcuni Teleostei; **Comes.**

Embryology. Organogeny, Histology.

Gastrulation and embryo formation, *Amia calva*; **Eycleshymer and Wilson.**

Entstehung des Hautpanzers bei *Syngnathus acus*; **Kasanzoff**.

Regione parafisaria del telencefalo ed alcuni ispessimenti del corrispondente ectoderma tegumentario in embrioni, *Torpedo ocellata*; **Chiarugi**.

Embryologische Studien über die Ganglien und Nerven des Kopfes von *Torpedo ocellata*; **Guthke, 1, 2**.

Skull and visceral arches, *Lepidosiren* and *Protopterus*; **Agar**.

Axiales Skelet, vergleichend embryologische Studien; **Ussoff**.

Kopf-Myomeren, *Acipenser ruthenus*; **Ostroumoff**.

Origine du mésenchime chez le sterlet (*Acipenser ruthenus*); **Tikhenko**.

Blut und ausserembryonale Gefässe, Schlachier; **Rückert**.

Herz, Gefässe und Blut, Teleostier, erste Entwicklung; **Mollier, 1**.

Blut und Gefässbildung, erste, Ganoïden; **Mollier, 2**.

Gefässe im Auge der Forelle; **Kittlitz**.

Torsion de l'ébauche cardiaque chez les Lophobranches; **Weber, 2**.

Signification chorodienne du sac vasculaire; **Gentès**.

Certains stades du développement des hématies chez *Scyllium canicula*; **Rouvière et Ladreyt**.

Mouth and gills, *Bdellostoma stouti*; **Stockard, 2**.

Thyroid gland, *Bdellostoma stouti*; **Stockard, 1**.

Embryonaler Kiemenapparat von *Heptanchus*; **Braus, 2**.

Fentes branchiales de la Torpille; **Vialleton**.

Entstehung der Kiemendarmerivate, *Ceratodus*; **Greil**.

Premiers stades du développement de la vessie natatoire chez les Lophobranches; **Wéber, 1**.

Geschlechtsorgano, Pisces; **Felix**.

(Excretory organs, *Bdellostoma stouti*; **Price**.)

Système urogénital des Elasmobranches; **Borcea, 2**.

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Experimental.

Development of *Pundulus heteroclitus* in solutions of lithium chloride, appendix on its development in fresh water; **Stockard, 3**.

Ist die Bildung des Skeletes von den Muskelanlagen abhängig? Brustflosse von Haiembryonen; **Braus, 1**.

Influence des rayons du radium sur le développement de la Roussette (*Scyllium canicula*); **Tur**.

Widerstandsfähigkeit der Forelleneier gegen mechanische Insulte; **Steuert**.

Post-embryological.

Life history, edible fish, plaice and cod especially; **Johnstone, 2**.

Larval and post larval stages, *Pleuronectes zeugopterus*; **Petersen, 2**.

Duration of embryonic development, larval and post larval stages, herring; **Fulton, 6**.

Rate of growth, teleostei, 11 spp. **Fulton, 4**.

Smolt to grilse stage of salmon, time occupied by; **Calderwood**.

Fish-eggs and young fish-stages in the waters round Denmark; **Otterström**.

Codfish in the eastern fjords (Norw.); **Dal and Dannevig**.

Life-history, *Anguilla vulgaris*; **Schmidt, 3**.

Pelagic post-larval stages of lings; **Schmidt, 2**.

Pelagic post-larval stages of the Atlantic species of *Gadus*; **Schmidt, 1**.

Size at maturity, maximum size *Clupea harengus*; **Fulton, 6**.

Altersbestimmung nach den Otolithen bei Scholle und Kabeljau; **Maier**.

(Arrested development vide Variation 5423.)

ETHOLOGY.

5419

General.

Habits, change in, *Clupea harengus*; **Warren**.

Oekologie der elektrischen Fische; **Kammerer und Köhler**.

Habits, breathing, feeding, swimming
Ceratodus; **Dean, 1.**

Flüchtige Bemerkungen über einige
Fische des Azovschen Meeres; **Alphé-
raki. (Russ.)**

Lebensweise des Aral-Störs im Syr-
Darja. (Russ.); **Grünberg.**

(Nos poissons: *Acipenser schypa*).
(Polish); **Rozwadowski, 1.**

(Nos poissons: le sterlet). (Polish);
Rozwadowski, 2.

Food.

Food of plaice, dabs and other fishes;
Johnstone, 2.

How rooting aquatic plants influence
the nutrition of the food fishes of
American lakes; **Pond.**

Food of the trout of the Kern river
region; **Juday.**

Food of some fishes. (Dutch);
Redeke, 1.

Fressgier der Forelle. (Ungarisch);
Kohaut.

Parental.

Parental care among fresh-water
fishes; **Gill, 2.**

Brutpflege der Lophobranchier;
Petersen, M.

Protection of offspring in mouth and
pharynx, eichlid fishes; **Boulenger, 12.**

Incubation buccale; **Fuhrmann.**

Migration.

Ascent of salmon in Finnish and N.
Swedish rivers, a statistical contribution
to the biology of salmon; **Nordquist.**

Wanderung, junger Lachs (Norw.);
Dahl.

Migration le long de la côte occidentale
de Kamtschatka (Russ.); **Tuchoff.**

Wanderung, Verbreitung im Kattegat,
Wachstum, *Pleuronectes platessa*;
Johansen.

Migration, *Anguilla vulgaris*; **Schmidt,
3.**

Laichen und Wandern der Ostsee-
fische; **Strodtmann.**

Wanderung und Laichen von *Clupea
kessleri* bis oberhalb von Samara im
Jahre 1905. (Russ.); **Baženov, 2.**

Marking experiments, salmon, Ireland;
Hillas.

Marked fish, results of experiments;
Johnstone, 2.

Deutsche Versuche mit gezeich-
neten Schollen. I. Bericht; **Bolau.**

Holländische Versuche mit gezeich-
neten Schollen 1903-1905; **Redeke, 2.**

Banc d'anchois (*Engraulis*), près
de l'île Cabrera, Baléares; **Racovitza.**

Hibernation.

Winterschlaf des Karpfens und an-
derer Fische. (Russ.); **Borodin, 2.**

Habitat. Deep sea fish.

Deep sea fish, luminous organs, re-
production; **Gilchrist, 2.**

Tiefsee-Fische; **Brauer.**

Instinct and Psychology.

Psychologie de quelques poissons
littoraux; **Goldsmith.**

Breeding, Oviposition.

Hochzeitskleid, Fortpflanzung &c.,
von *Mesogonistius chaetodon*; **Emelja-
nenko.**

Fortpflanzung, *Callichthys punctatus*;
Jürgens.

Spawning season, Rainbow trout;
Arens.

Spawning and guardianship of eggs,
Cyclopterus lumpus; **Fulton, 3.**

Spawning period, *Clupea harengus*;
Fulton, 6.

Spawning and fecundity, *Pleuronectes
platessa*; **Fulton, 5.**

Fortpflanzung von Plattfischen an
den Küsten der Ostsee; **Petersen, 1.**

(Breeding *Polyacanthus opercularis*.
L.; **Waite, E. R.**)

Laichen &c im Aquarium, *Nuria
danrica*; **Stoll.**

(Intoxication par un barbeau au moment du frai; **Pellegrin** et **Glaize**.)

(Action soi-disant venimeuse de la Rascasse; **Briot**.)

Laichen der Fische im Bassin der Wolga oberhalb von Saratow. (Russ.); **Berg**, 11.

Laichen im Finnischen Meerbusen, Flunder, Steinbutt und Kabeljau; **Sandman**.

Laichen, *Clupea*; **Knipowitsch**, 2.

Laichen der Schwarznase, Ellritze und Schmerle; **Thumm**.

Époques de ponte des poissons en rivière et en eau dormante; **Huet**.

Voice.

Voice of fishes; **Tower**.

Symbiosis.

Commensalisme de jeunes *Caranx* et de *Rhizostomidae*; **Pellegrin**, 12.

Defence.

Silberglänzende Färbung eine Schutzfärbung; **Popoff**.

VARIATION, MONSTROSITIES, EVOLUTION. 5423

Variation tables for *Gadus luscus*, *minutus* and *esmarkii*; **Williamson**, 1.

Dimorphism of optic chiasma, telionts, breeding experiments; **Larrabee**.

Varietà di colorazione della tinca comune; **Bellotti**, 1, 2.

Unusual size, *Alopias vulpes*; **Scharff**, 2.

Flounders in the Snaasen-lake. (Norw.); **Nordgaard**, 1.

Arrested development, *Raia clavata* and *Pleuronectes flesus*; **Johnstone**, 1.

Arresto della migrazione oculare, *Pleuronectes* sp. *Solea* sp.; **Ninni**.

Mostruosità embrionali doppie, Teleostei; **Barbieri**, 2.

Mostruosità embrionale doppia, Salmonidi; **Barbieri**, 3.

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Stör mit drei Rogensäcken (Russ.); **Gr[imm]**, 1.

Sole à deux faces colorées; **Guénot**.

Anomalies de la nageoire anale, *Sebastes dactyloptera*; **Jaquet**.

Accessory fins in *Raia batis*; **Rennie**.

Accessorische Flosse, *Acanthias* sp.; **Przibram**.

Paio di pinne pettorali soprannumerarie asimmetriche, *Salmo irideus*; **Mazzarelli**, 2.

Accessorische Nebennieren, *Torpedo marmorata*; **Zuckerkandl**.

Oviducte anormal, *Scyllium*, *Borcea*, 4. Sandst à tête de carlin (Polish); **Stach**.

(Déviations rachidiennes; **Pellegrin**, 18.)

Cyclopia, teleostei; **Gemmil**, 1.

Mopskopfbildung bei *Abramis vimba* L.; **Leonhardt**, 1.

Missbildungen des vorderen u. des hinteren Körperendes, *Acanthias* sp.; **Przibram**.

Missbildungen beim Dornhai, *Acanthias vulgaris*; **Grosser** und **Przibram**.

Métis et hybrides de l'ombre-chevalier du Léman; **Crettiez**, 1.

Kreuzung, *Acipenser guldensladtii* und *A. huso*; **Baženov**, 1.

Evolution.

Phylogenie der elektrischen Fische; **Kammerer**.

Phylogeny of Arthrodira; **Hussakof**, **Eastmann**, 1.

Entstehung der Flugfische; **Abel**.

GEOGRAPHY=FAUNAE. 5427

A. Actual.

Verbreitung der Tiefseefische; **Brauer**.

EUROPE AND NEIGHBOURING SEAS. c

Iceland. Ichthyological researches. 1905; **Sæmundsson**.

Nordsee, südliche, Eier und Jugendformen von Fischen; **Boeke**.

Trondjemfjord; **Swenander**.

Finnischer Moerbusen, Verbreitung von *Pleuronectes platessa*, *Rhombus maximus* und *Gadus callarias*; **Sandman**.

Cumberland, Derwentwater and Bassenhwaite Lakes, *Coregonus gracilior* sp. n.; **Regan**, 8.

English Channel, *Pteridium* sp. n.; **Byrne**.

Essex Coast, *Pagellus centrodontus*; **Murie**, 2.

Solway, teleostei 2 spp., new to; **Service**, 1, 2.

Atlantic slope, Irish, fishes of; **Holt and Byrne**.

Irish Coast, *Centriscus scolopax*; **Patterson**.

Irish Sea, *Raia microcellata* and *fullonica* and *Dentex vulgaris*, first record; **Johnstone**, 1.

Irish Sea, distribution of fish eggs month by month in divisions of; **Scott**, 2.

Tralee Bay, *Orthogoriscus truncatus*; **Scharff**, 1.

Channel Islands (marine) fish; **Sinclair**.

France, Faune du Nord; **Godon**.

Roscoff, Elasmobranch fauna; **Borcea**, 2.

(Grésivaudan, eaux courantes; **Léger**, 1.)

Pyrénées et sud-ouest de la France; **Roule**, 2.

[Golfo de Gascogne, *Beryx decadactylus*; **Künstler et Chainé**, 4.]

L'océan Atlantique, *Centriscus scolopax*; **Künstler et Chainé**, 1.

Pas-de-Calais, *Aphya minuta*; **Cligny**.

Deutschland, Süßwasserfische; **Grimm**, E.

Hanover, list, 35 spp.; **Löns**.

Portugal, *Centrophorus* sp. n.; **Regan**, 13.

Lake, unnamed, in province of Gerona, teleostei 12 spp.; **de Camps y de Olzinellas**.

Catania, *Orthogoriscus truncatus*; **Mauro**.

Aemilia Fischfauna; **Schubert**, 1.

Mittelmeer, niedere Haie; **Braus**, 3.

Schwarzes Meer, Clupeinen; **Antipa**.

Russland, Europäisches, Süßwasserfische; **Grimm**, E.

Wolga-Bassin vom Flusse Vetluga bis zur Mündung der Kama, Fischerei (Russ.); **Berg**, 13.

Bassin der Wolga oberhalb von Saratow, Fischerei (Russ.); **Berg**, 11.

Azovsches Meer, Bemerkungen über einige Fische (Russ.); **Alphéraki**.

ASIA AND NEIGHBOURING SEAS. e

(Philippine islands and Malay Arch. vide AUSTRALASIA.)

Russisches Reich, Marsipobranchii, Uebersicht; **Berg**, 5.

Kaspisches Meer, Hering, neue Art, (Russ.); **Borodin**, 1.

Goktscha-See. (Russ.); **Grimm**, 2. (Turkestan; **Berg**, L., 14.)

Semiretschje-Gebiet, Fischerei in dessen Gewässern. (Russ.); **Berg**, 12.

Amur-Becken, *Salmonidae* sp. n.; **Berg**, 10.

Baikalsee, Cataphracti; **Berg**, 6.

Lac Kossogol (bassin du Baikal), poissons. (Russ.); **Berg**, 9.

Kamtschatka, côte occidentale. (Russ); **Tuchoff**.

Murmansche Küste; **Derjugin**.

Port Arthur, Manchuria, teleostei and *Raia* sp., 31 spp. 5 spp. n.; **Jordan and Starks**, 2.

Korea, *Leucogobio* sp. n.; **Berg**, 2.

Japan, teleostei and selachii, marine and freshwater, spp. n.; **Smith and Pope**.

Japan, herring-like fishes 20 sp., marine; **Jordan and Herre**.

Japan, flounders and soles reviewed and 4 spp. n.; **Jordan and Starks**, 1.

Japan, *Poeciliidae* sp. n.; **Jordan and Snyder**, 1.

Japan, Elasmobranchs 2 spp. n.; **Regan**, 10.

Japan, shores, Polynemid, sp. n.; **Jordan and McGregor**.

Japan, offshore islands Tanega and Yaku, teleostei from tide pools spp. n.; **Jordan and Starks**, 3.

Japan, giant bass ; **Jordan** and **Snyder**, 2.

Japan, *Ammodytidae* ; **Jordan**, 1.

Japan, teleostomi spp. n. ; **Jordan** and **Seale**, 2.

Japan, Polynemid sp. n. ; **Jordan** and **McGregor**.

Japan, *Acipenseridae* ; **Jordan** and **Snyder**, 4.

Sagami Bucht, Tiefseefische ; **Doflein**.

Calcutta, Helmand basin *Cyprinidae* spp. n. ; **Regan**, 5.

Lower Bengal, *Gobius* sp. n. ; **Annan-dale**.

Siam, *Gyrinocheilus* sp. n. ; **Berg**, 7.

Indo-Chine française, poissons d'eau douce ; **Pellegrin**, 14.

(Indo-Chine, téléostéens ; **Vallant**, 3.)

(Baie d'Along, Tonkin ; **Pellegrin**, 22.)

AFRICA AND NEIGHBOURING SEAS. *f*

Afrique, Characinidés des collections du Muséum d'histoire naturelle de Paris ; **Pellegrin**, 6.

Africa, freshwater fishes ; **Boulenger**, 4.

Africa, *Chloroscombrus* sp. n. ; **Fowler**, 1.

Madeira, *Centroscymnus* sp. n. ; **Regan**, 13.

Afrique, côte occidentale ; **Pellegrin**, 7, 23.

Angola, *Doumea* sp. n. ; **Boulenger**, 10.

Angola, Kwango River, *Varicorhinus* n. sp., *Atopochilus* n. sp. ; **Boulenger**, 1.

Congo, Characinidés nouveaux ; **Pellegrin**, 3.

Niger, *Distichodus* sp. n. ; **Pellegrin**, 8.

L'Ogôoué, 48 spp. teleostei 3 spp. n. ; **Pellegrin**, 4.

Lake Victoria fishes spp. n. ; **Boulenger**, 5.

Lac Victoria ; **Pellegrin**, 21.

Uganda *Clarias* n. sp. ; **Boulenger**, 3.

Uganda *Barbus* sp. n. ; **Boulenger**, 9.

Lake Tanganyika, 84 spp., teleostei 27 spp. n. ; **Boulenger**, 12.

Baie de Tadjourah *Salarias* sp. n. ; **Pellegrin**, 2.

Soudan, teleostei, 2 spp. n. ; **Pellegrin**, 5.

South Cameroon, *Marcusenius* sp. n. ; **Boulenger**, 8.

White Nile and Bahr-el-Gebel, *Anabas* two distinct species ; **Boulenger**, 11.

White Nile, Lake No. *Mochochus* sp. n. ; **Boulenger**, 6.

Nil Bleu, teleostei, 24 spp. ; **Pellegrin**, 9.

Gallaland list, *Barbus* sp. n. ; **Boulenger**, 2.

(Mission scientifique de Ch. Alluaud en Afrique orientale. II. Systématique ; **Pellegrin**, J., 17.)

Natal coast, teleostei and elasmobranchs 7 spp. n. ; **Regan**, 4.

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Bogoslofs, deep sea forms ; **Jordan** and **Clark**.

California, Monterey Bay, *Sebastes* sp. n. ; **Evermann** and **Goldsborough**.

Montana, list of fishes ; **Henshall**.

Marcus I., teleostei 8 spp. n. ; **Bryan** and **Herre**.

Hillsdale county, Michigan ; **Hankinson**.

Pennsylvania, first records of various teleostomi ; **Fowler**, 8.

Lower Susquehanna R., *Pimephalus notatus*, recorded from ; **Fowler**, 7.

Florida Keys, Teleostei spp. n. ; **Fowler**, 5.

CENTRAL AND SOUTH AMERICA ; WEST INDIES, ETC.

Mexico and Central America, freshwater *Acanthopterygii* ; **Regan**, 13.

Guatemala. 3 spp. n. ; **Meek**.

Bermuda Islands. Catalogue. Teleostei spp. n. ; **Bean**, 2.

Bermuda Islands, Teleostomi spp. n. ; **Bean**, 1.

Bermuda Islands, *Hippocampus* sp. n. ; **Townsend** and **Barbour**.

Western Cuba, freshwater and marine Teleostei; **McIndoo**.

Santo Domingo, Teleostei 2 n. spp.; **Evermann** and **Clark**.

Amérique du Sud, hauts plateaux, faune ichthyologique; **Pellegrin**, 11.

Trinidad, Teleostei, freshwater, list and 3 spp. n.; **Regan**, 2.

South and middle America, freshwater fishes; **Eigenmann**.

Guiana, British, *Ancistrus* sp. n.; **Regan**, 7.

Ecuador and Peru, collection of fishes; **Starks**, 1.

Peru, *Astyanax* sp. n.; **Fowler**, 6.

Titicaca and Poopo, *Siluridae* and *Cyprinodontae* (mention only); **Pellegrin**, 11.

Brazil, Rio Grande do Sul, *Stromateus* sp. n.; **Fowler**, 1.

Paraguay R. *Heterogramma* sp. n.; **Regan**, 6.

Argentina, 52 sp. marine and freshwater fishes spp. un.; **Evermann** and **Kendall**.

Argentina, Cyprinodont sp. n.; **Regan**, 12.

Argentina, *Loricaria* sp. n.; **Regan**, 7.

Chile, poissons de la côte; **Pellegrin**, 20.

Magellan *Centroseymnus* sp. n.; **Regan**, 13.

[Tierra del Fuego, Staaten Island and adjacent seas, 11 spp. Teleostei, 1 *Myxine*. 2 spp. n.; **Lönnberg**, 2.]

AUSTRALASIA, INCL. MALAY ARCHIPELAGO AND NEIGHBOURING SEAS. i

Borneo, Teleostomi; **Popta**.

Sarawak, freshwater, 5 spp. n.; **Regan**, 11.

Philippine Islands, Teleostei marine 17 spp. 3 spp. n.; **Evermann** and **Seale**.

Philippine Islands, spp. n.; **Smith** and **Seale**.

New Guinea fresh-water fish-fauna; **Weber**, M.

Amboyna *Cestracion* sp. n.; **Regan**, 13.

Samoa spp. n.; **Jordan** and **Seale**, 1.

Australia W. spp. n.; **Waite**, 4.

Australia, Sharks. Notes on; **Waite**, 2.

Australia S., and Tasmania *Squatina* sp. n.; **Regan**, 13.

Australia, W., King River, freshwater fishes g. et spp. n.; **Regan**, 14.

Australia E. coasts teleostei 3 spp. n. and 4 sp. new W. Victorian coast; **Waite**, 1.

Victoria, marine teleostei, 4 spp. additions to fauna; **Kershaw**, 1.

Wilson's Promontory, notes; **Kershaw** 2.

(West Australia n. spp. (1905); **Waite**, 4.)

Otago Harbour, list of fishes taken; **Thomson**.

Oceania fishes provisional check list; **Jordan** and **Seale**, 1.

South Pacific; **Seale**.

ANTARCTIC SEAS. o

[South Georgia teleostei 10 spp. new W. Fauna and 4 spp. n.; **Lönnberg**, 2.]

[Falkland Is. and Birdwood Bank. 14 spp. teleostei. 4 spp. n.; **Lönnberg**, 2.]

B. Fossil Faunae.

Geological succession of fishes, summary; **Woodward**, 3.

Horizon undetermined. Fish remains from Caves co. Clare; **Scharff** and others.

CAINOZOIC.

Tertiaire, Piémont; **Sacco**.

Tertiaire, Patagonie; **Ameghino**.

Terrains néogènes France, du Comtat (? de Vaucluse). Elasmobranches et Téléostéens (nn. spp.); **Joleaud**, 1, 2.

(. . . *Cottus* fossiles, en particulier *Cottus cervicornis* Storme, du Rupélien de la Belgique; **Leriche**, M.)

Neogen, Oesterreich-Ungarn, Fischotolithen; **Schubert**, 2, 3.

Eocene, Egypt, Elasmobranchii 5 spp. Teleostomi 2 spp.; **Andrews**.

Éocène moyen d'Égypte, Elasmobranches, téléostomes; **Priem**.

Eocene, Plana de Vich, *Carcharodon* sp.; **Almera**.

Éocène, Loire inférieure, 8 spp.; **Leriche, 2**.

Éocène, Belgique, 16 spp. n.; **Leriche, 3**.

? Eocene, Patagonia fish fauna; **Ameghino**.

Oligocène, Catalogue, *Prolebias* sp.; **Vidal et Depéret**.

MESOZOIC.

Lower Lias, Lyme Regis, *Myriacanthus paradoxus*; **Woodward, 4**.

Lower Lias, Lyme Regis, fish fossils; **Woodward and Usher**.

Portland Stone, *Mesodon*; **Woodward, 1**. Chimaeroid fish spine; **Woodward, 2**.

Kreideformation Zone X Isergebiet; **Zahálka**.

Trias, Deutschland; **Fritsch**.

Trias der Alpen, Fischfaunen; **Abel**.

Trias, West American, new cestraciont teeth; **Wemple**.

Lower Jurassic, Victoria, Australia, *Ceratodus* Tooth; **Woodward, 5**.

Crétacé supérieur, Patagonie; **Ameghino**.

Weald clay, Southwater *Leptolepis* sp. n. **Anon**.

PALEOZOIC.

Carboniferous, Macclesfield, Congleton, Crewe and Middlewich; **Wedd**.

North Staffordshire Cheadle Coalfield fishes; **Ward**, also **Ward and Stobbs**.

Lower Carboniferous E. Fifeshire; **Traquair**.

Coalmeasures Ireland, *Myriolepis hibernica*; **Woodward, 6**.

Ordovician, Wyoming, fish remains; **Darton**.

Carboniferous, N. America, coeliodonts. 7 spp. n.; **Branson, 1**.

Carboniferous, Victoria. 5 spp. n.; **Woodward, 8**.

Pendlesideseries, Holywell, *Elonichthys* sp. n.; **Traquair, 3**.

Devonian sp. n.; **Etheridge**.

Devon., Wildungen; **Jaekel, 2**.

Silurian, Yeringian series, Wombat creek. *Cephalaspis* sp. n. and associated fossils; **Chapman**.

III.—SYSTEMATIC. 5431

GENERAL WORKS.

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Rhinogobius corallinus, *muscarum* spp. n., JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., 25, (173-455).—*R. mowbrayi* sp. n., Bermudas, BEAN, Chicago, Ill. Pub. Field Columb. Mus. Zool. Ser., 7, (81).—*R. nagoyae* sp. n. Japan, JORDAN and SEALE, Washington, D.C., U. S. Nation. Mus. Proc., 30, (147).

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Synchiropus lili sp. n. JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., 25, (173-455).

Taenioides abbotti sp. n. Port Arthur, JORDAN and STARKS, Washington, D.C., U. S. Nation. Mus. Proc., **31**, (524).

Trimma gen. n., *caesiura* sp. n., JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., **25**, (391).

Vailima gen. n., *stevensoni* sp. n., SAISON, JORDAN and SEALE, T. c. (398).

Vainosa gen. n., *fontinalis* sp. n., JORDAN and SEALE, T. c. (395).

Valenciennesia violifera sp. n., JORDAN and SEALE, T. c. (173-455).

Vitreola gen. n., *sagitta* sp. n., JORDAN and SEALE, T. c. (393).

Waitea gen. n. type *Cobius mystacinus*, JORDAN and SEALE, T. c. (407).

PLEURONECTIDAE.

Amate gen. n. type *Achirus japonicus* Schlegel, JORDAN and STARKS, Washington, D.C., U. S. Nation. Mus. Proc., **31**, (228).

Areliscus rhomaleus sp. n. Port Arthur, JORDAN and STARKS, T. c. (526).

Drepanopselta platessoides, rate of growth, FULTON, Glasgow, Rep. Fish. Board, **24**, (196).

Lambdopselta gen. n., *kitaharae* sp. n. Kagoshima, SMITH and POPE, Washington, D.C., U. S. Nation. Mus. Proc., **31**, (496).

Limanda iridorum, angustirostris, spp. n. Japan seas, JORDAN and STARKS, Washington, D.C., U. S. Nation. Mus. Proc., **31**, (206).

Peltorhamphus bassensis, Castelnau transferred from *Rhombosolea*, WAITE, Sydney, N.S.W., Rec. Austr. Mus., **6**, (198, fig.).

Platessa flesus, Leben im Aquarium, (Russ.), ZOLOTNITZKIJ, Jestestv. i geogr., Moskva, **11**, (66-80).

Pleuronectes; Versuche mit gezeichneten, BOLAU, Wiss. Meeresunters., **7**, Abt. Helgoland, (79-131, mit 3 Kart.).—*P. platessa*, Versuche mit gezeichneten, REDEKE, Helder, Verh. Onderz. Zee, **1**, (1-22).—*P. platessa* à deux faces colorées, CUÉNOT, Arcachon, Trav. soc. sci. station biol., **8**, (82-89, av. fig.).—*P. platessa*, Altersbestimmung, MATER, Wiss. Meeresunters., N.F., **8**, Abt. Helgoland, (57-115, mit 2 Taf.).—*P.*

platessa, limanda, flesus, microcephalus, rate of growth, FULTON, Glasgow, Rep. Fish. Board, **24**, (179).—*P. platessa*, effect of acid, alkali, and certain indicators on development of egg, WHITLEY, London, Proc. R. Soc., **77**, (137).—*P. platessa*, Wanderung, Verbreitung im Kattegat, Wachstum, JOHANSEN, Kjöbenhavn, Cons. internat. expl. mer, (Ser. A. Rapp. et procès-verb.), (45-136, with 1 map).—*P. platessa*, spawning and fecundity, FULTON, Glasgow, Rep. Fish. Board, **24**, (281).—*P. platessa*, food, (232-251), occurrence of large fish close in land at New Quay, migration, growth, &c., (252-294), JOHNSTONE, Liverpool, Proc. Trans. Biol. Soc., **20**.—*P. flesus*, arrested metamorphosis, JOHNSTONE, T. c. (330-334).

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Rhombus maximus, laevis, rate of growth, FULTON, Glasgow, Rep. Fish. Board, **24**, (199).

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(*Solea vulgaris*) — Développement, FABRE - DOMERGUE et BIÉTRIX, Paris (Vuibert et Nony), 1905, (247 p. av. pl.).

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Symphurus fuscus sp. n. India, BRAUER, Wiss., Ergebn. D. Tiefsee-Exp., **15**, (296).

(*Synaptura punctatissima*, Peters, var. n., *nigromaculata* côte occidentale d'Afrique, PELLEGRIN, Paris, Bul. soc. zool., **30**, (141)).—*S. punctatissima* Peters, var. n. *nigromaculata*, PELLEGRIN, Bordeaux Actes soc. linn., **60**, (17-57).

(*Cynoglossus broadhursti* sp. n. Carnarvon, W.A., WAITE, Sydney, N.S.W., Rec. Austr. Mus., **6**, 1905, (73, fig.).

SCOMBRIDAE.

Cybbium stornisi sp. n. Écône, Belgique, LERICHE, Mém. Mus. Belgique, **3**, (79, 151).

Germo macropterus, JORDAN, Pop. Sci. Mon., New York, N.Y., **68**, 1906, (376, with illustr.)

† *Pelamys delheidi* **sp. n.** Éocène, Belgique. LERICHE, Mém. Mus. Belgique, **3**, (148).

Scomber thunina, Yarmouth, first record on British coast, PATTERSON, Zoologist, **10**, (354).—† *S. doli* **sp. n.** Éocène, Belgique. LERICHE, Mém. Mus. Belgique, **3**, (147).

(*Thynnus alalonga*, température. PORTIER, Paris, Bull. Soc. zool., **28**, 1903, (79-81).)

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Xiphias gladius o Pescespada : pesca in Calabria, MERCADANTE, etc., Rivista mensile di Pesca, **8**, (171-181c, 215-227, con 3 fig.).

GEMPYLIDÆ.

Promethichthys pacificus **sp. n.**, SEALE, Honolulu, H.I., Occ. Paprs., Bernice Pauahi Bishop Mus., **4**, (1-89).

LEPIDOPTIDÆ.

Lepidopus gracilis, Atlantic, (291), *argenteus*, Indic., (292), **spp. n.**, BRAUER, Wiss. Ergbn. D. Tiefsee-Exp., **15**.

CARANGIDÆ.

Caranx, commensalisme avec *Rhizostomidae*. PELLEGRIN, Paris, C.-R. ass. franç. avanc. sci., **34**, 1906, (570-571), et 1^{re} partie, (337).—*C. gilberti* **sp. n.**, JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., **25**, (173-455).

Chloroscombrus hesperius **sp. n.** W. Africa, FOWLER, Philadelphia, Pa., Proc. Acad. Nat. Sci., **58**, (114).

Decapterus lundini **sp. n.** Samoa, JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., **25**, (229).

Neptomenus crassus **sp. n.** Callao, STARKS, Washington, D.C., U. S. Nation. Mus. Proc., **30**, (784).

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ICOSTEIDÆ.

Icosteus enigmaticus, Seitenlinie. COHN, Zool. Anz., **30**, (178-183).

BRAMIDÆ.

(*Bramiethys* **gen. n.**, for *B. woodwardi* **sp. n.**, Mandurah, W. A. WAITE, Sydney, N.S.W., Rec. Austr. Mus., **6**, 1905, (72, fig.).)

SCARIDÆ.

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Cryptolomus crassiceps **sp. n.** Bermuda, BEAN, Washington, D.C., Proc. Biol. Soc., **19**, (29-33).

Scarichthys rarotongae **sp. n.** SEALE, Honolulu, H.I., Occ. Paprs., Bernice Pauahi Bishop Mus., **4**, (1-89).

Scarus brighami **sp. n.** BRYAN and HERRE in BRYAN, Monogr. Marcus I., 1903 (131).

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Halichoeres daedalma **sp. n.**, *macleayi* **nom. n.** JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., **25**, (173-455).

Iridio, *meyeri*, *decoratus*, *elegans*, *microstomus*, **spp. n.** Bermuda, BEAN, Washington, D.C., Proc. Biol. Soc., **19**, (29-33).

Labrus maculatus, remains from caves. Co. Clare, SCHARFF and others, Dublin Trans. R. Irish Acad., **33**, (24).

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POMACENTRIDÆ.

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Pomacentrus vaiuli, celipticus spp. n., *deisi* nom. n. JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., **25**, (173-455).

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Cichla; revision of, REGAN, T.c. (230-234).

Cichlosoma gadovii, redescribed and figured. REGAN, Biol. Centr. Amer. Pisces (20, pl. v).—*C. balteatum*, *centrarchus*, *sexfasciatum*, *callolepis*, *maculicauda*, *robertsoni*, *friedrichstahli*, and *multifasciatum* figured. REGAN, T.c. (pls. 2, 3).—*C. centrale*, Guatemala, *tenue*, Mexico, spp. n. MEEK, Chicago, Ill. Pub. Field Columb. Mus. Zool., **7**, (94).

Chromis ionelas sp. n. JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab. Bull. Bur. Fish., **25**, (173-455).

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Lamprologus brevianalis, *cunningtoni*, *mondabri*, *multifasciatus*, *callipterus*, *reticulatus*, *calliurus*, spp. n. L. Tanganyika, BOULENGER, London, Trans. Zool. Soc., **17**, (555, pl. xxxvi).

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Tilapia guiarthi sp. n., PELLEGRIN, Paris, Bul. soc. zool., **29**, (186).—*T. variabilis*, *nigricans*, *martini*, *lacrimosa*, *nubila*, spp. n., Lake Victoria, BOULENGER, Ann. Mag. Nat. Hist., **17**, (447-451).

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OSPHROMENIDAE.

Luciocephalus pulcher, lebendgebärender Hecht aus Sumatra, REICHEL, Wochenschr. Aquarienkunde, **3**, (4-5, 122-123).

Ospromenus malayanus, lebendgebärender Gurami, REICHEL, Wochenschr. Aquarienkunde, **3**, (4-5, 122-123).

(*Polyacanthus opercularis* L., breeding habits, WAITE, Sydney, N.S.W., Rec. Austr. Mus., **6**, 1905, (1-4).)

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Drepane punctata L. **var. n.**, *oclofasciata*, PELLEGRIN, Bordeaux Actes soc. linn., **60**, (17-57).

Teuthis bishopi **sp. n.**, BRYAN and HERRE in BRYAN, Monogr. Marcus I, 1903, (134).

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Hepatus aquilinus **sp. n.**, JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., **25**, (173-455).

(*Chaetodon assarius* **sp. n.**, Freeman, W. A., WAITE, Sydney, N.S.W., Rec. Austr. Mus., **6**, 1905, (66, fig.).)

(*Neatypus* **gen. n.**, *obliquus* **sp. n.**, West Australia WAITE, Sydney, N.S.W., Rec. Austr. Mus., **6**, 1905, (65, fig.)).

SIGANIDAE.

Lo **gen. n.**, SEALE, Honolulu, H.I., Occ. Papers., Bernice Pauahi Bishop Mus., **4**, (1-89).—*Lo* **gen. n.**, type *Amphacanthus vulpinus* Schlegel and Müller, JORDAN and SEALE, Washington, D.C., Dept. Com. Lab., Bull. Bur. Fish., **25**, (36).

Siganus shortlandensis, *zoniceps* **sp. n.**, SEALE, Honolulu, H.I., Occ. Papers., Bernice Pauahi Bishop Mus., **4**, (1-89).

MULLIDAE.

Mullus barbatus Solway, first record, SERVICE, Ann. Scot. Nat. Hist., **1906**, (51).

Pseudupeneus aurantiacus **sp. n.**, SEALE, Honolulu, H.I., Occ. Papers., Bernice Pauahi Bishop Mus., **4**, (1-89).—*P. moana* **sp. n.**, JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., **25**, (173-455).

MAENIDAE.

Caesio teres **sp. n.**, SEALE, Honolulu, H.I., Occ. Papers., Bernice Pauahi Bishop Mus., **4**, (1-89).

SPARIDAE.

Calamus penna figured, FOWLER, Philadelphia, Proc. Acad. Nat. Sci., **58**, (99).

†*Charax haugi* **sp. n.**, terrains néogènes, France, JOLEAUD, Avignon, Mém. Ac., **6**, (352).

†*Chrysophrys deydieri* **sp. n.**, terrains néogènes, France, JOLEAUD, Avignon, Mém. Ac., **6**, (350).

†*Dentex chateleti* **sp. n.**, terrains néogènes, France, JOLEAUD, Avignon, Mém. Ac., **6**, (353).

Pagellus centrodontus in Essex waters, MURIE, Stratford, Essex Nat., **14**, (238).

Pagrus arthurius **sp. n.**, Port Arthur, JORDAN and STARKS, Washington, D.C., U. S. Nation. Mus. Proc., **31**, (517).

†*Sparidarum rutoti* **sp. n.**, Éocène, Belgique. LERICHE, Mém. Mus. Belgique, **3**, (165).

SCIAENIDAE.

Asterina improvisa Ostroff. = *Umbrina cirrhosa* L., GRATZANOFF, St. Petersburg, Bull. Ac. Sc., **23**, (35-39).

Collichthys niveatus **sp. n.**, Port Arthur, JORDAN and STARKS, Washington, D.C., U. S. Nation. Mus. Proc., **31**, (519).

Sciaena gilberti **sp. n.**, Callao, STARKS, Washington, U. S. Nation. Mus. Proc., **30**, (794).—*S. aquila* Solway, first record, SERVICE, Ann. Scot. Nat. Hist., **1906**, (51).

Umbrina cirrhosa vide *Asterina improvisa*.

SILLAGINIDAE.

(*Sillago boutani* **sp. n.** Baie d'Along, Tonkin, PELLEGRIN, Paris, Bul. soc. zool., **30**, (86).)

LEIOGNATHIDAE.

Leiognathus elongatus **sp. n.**, Kago-shima, SMITH and POPE, Washington, D.C., U. S. Nation. Mus. Proc., **31**, (467).

PSEUDOCROMIDIDAE.

Oceanops **gen. n.**, JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., **25**, (173-455).

HAEMULIDAE.

Hapalogenys kishinouyei **sp. n.**, URADO, SMITH and POPE, Washington, D.C., U. S. Nation. Mus. Proc., **31**, (476).

Haemulon sciurus figured, FOWLER, Philadelphia, Proc. Acad. Nat. Sci., **58**, (98).

Isacia venusta **sp. n.**, Callao, STARKS, Washington, D.C., U. S. Nation. Mus. Proc., **30**, (789).

Pomadasis burro **sp. n.**, Guayaquil, STARKS, T.c. (791).

LUTIANIDAE.

Lutianus nukuhivae, tahitiensis, melanesisae **spp. n.**, SEALE, Honolulu, H.I., Occ. Paprs., Bernice Pauahi Bishop Mus., **4**, (1-89).—*L. nishikawae* **sp. n.**, Hamashina, SMITH and POPE, Washington, D.C., U. S. Nation. Mus. Proc., **31**, (374).

CHEILODIPTERIDAE.

Ambassis lafa, vaivasensis **spp. n.**, JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., **25**, (173-455).

Amia exostigma Jordan and Starks, *A. doryssa* **spp. n.**, JORDAN and SEALE, T.c. (237).—*Amia* Gronow takes precedence of *Apogon* Lacépède, JORDAN and SEALE, T.c. (237).

Apogonichthys isostigma **sp. n.**, JORDAN and SEALE, T.c. (173-455).

Foa fo, vaiulae **spp. n.**, Samoa, iid. T.c. (248).

Oxyodon **gen. n.** *Acropomatidae*, (287), *macrops* **sp. n.** India (288), BRAUER, Wiss. Ergebn. D. Tiefsee-Exp., **15**.

Pomatomus, Cranium, SUPINO, Roma Ric. Lab. anat. norm., **9**, 1903, (217).

SERRANIDAE.

Centropomus gabbi E. San Domingo, *heringi* Surinam or Dutch Guiana, **spp. n.**, FOWLER, Philadelphia, Proc. Acad. Nat. Sci., **58**, (423).

Chorististium susumi **sp. n.**, JORDAN and SEALE, Washington, D.C., Dept.

Comm. Lab., Bull. Bur. Fish., **25**, (173-455).

Epinephelus zupyrus **sp. n.**, SEALE, Honolulu, H.I., Occ. Paprs., Bernice Pauahi Bishop Mus., **4**, (1-89).

Lates angustifrons **sp. n.** L. Tanganyika, BOULENGER, London Trans. Zool. Soc., **17**, (555, pl. xxxv).

Paralabrax callaensis **sp. n.** Callao. STARKS, Washington, U. S. Nation. Mus. Proc., **30**, (787).

Percalates fluviatilis **sp. n.**, N.S. Wales, STEAD, Sydney, N.S.W., Proc. Linn. Soc., N.S.W., **31**, (261).

Rooseveltia Jordan and Evermann **gen. n.** type *Serranus brighami*, JORDAN and SEALE, Washington, D.C., Dept. Comm. Lab., Bull. Bur. Fish., **25**, (265).

Satsuma **gen. n.**, *macrops* **sp. n.**, SMITH and POPE, Washington. U. S. Nation. Mus. Proc., **31**, (472).

Sayonara mitzukurii **sp. n.** Kagoshima, SMITH and POPE, T.c. (469).

Stereolypis ischinagi of Japan, JORDAN and SNYDER, Washington, D.C., U. S. Nation. Mus. Proc., **30**, (841).

Tosana **gen. n.**, *nivae* **sp. n.** Urado Bay, SMITH and POPE, Washington, U. S. Nation. Mus. Proc., **31**, (470).

PERCIDAE.

†*Cristigorina* **gen. n.**, *crassa* **sp. n.** Éocène, Belgique, LERICHE, Mém. Mus. Belgique, **3**, (80).

Lucioperca sandra, Aussetzung in norwegische Seen, HUITFELDT-KAAS, Bergen, Norsk Fisket., **25**, (187-192).

Perca fluviatilis, attuale infezione da *Tetracotyle*, lago di Pusiano, MAZZARELLI, Rivista mensile di Pesca, **8**, (142-144).

Percidarum kokeni **sp. n.**, Éocène Belgique, LERICHE, Mém. Mus. Belgique, **3**, (89, 162).

CENTRARCHIDAE.

Mesogonistius chaetodon, Fortpflanzung, Hochzeitskleid etc., EMEIJANENKO, Naturfreund, **1**, (35-38).

Pomotis auritus [*Eupomotis aurens* Walb.] nei laghi lombardi, BELLOTTI, etc., Acquicoltura lombarda, **7**, (59-62).

NANDIDAE.

Polycentrops abbreviata; ARNOLD, Wochenschr. Aquarienkunde, Braunschweig, **3**, (451-453).

Polycentrus schomburgkii, note and figure, REGAN, London, Proc. Zool. Soc., **1906**, **1**, (391).

DULEIDAE.

The name Duleidae supersedes Kuhlidae as *Kuhlia* Gill 1851 is superseded by *Dules* Cuvier 1829. FOWLER, Philadelphia, Proc. Acad. Nat. Sci., **58**, (510).

Dules marginatus boninensis subsp. n. Bonin Is. N. Pacific, FOWLER, T.C. (510).

PEMPHERIDAE.

Priacanthopsis subgen. n. (*Pempheris*) FOWLER, Philadelphia, Pa., Proc. Acad. Nat. Sci., **58**, (122).

BERYCIDAE.

Holocentrus meeki sp. n. Bermuda, BEAN, Washington, D.C., Proc. Biol. Soc., **19**, (29).

Holocentrus rubellio, verticalis spp. n., SEALE, Honolulu, H.I., Occ. Paprs., Bernice Pauahi Bishop Mus., **4**, (1-89).

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Hoplostethus hexagonalis sp. n., Éocène Belgique, LERICHE, Mém. Mus. Belgique, **3**, (146).

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(n-9720 b)

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LEPTOCARDII.

The record of this group is now transferred to Protochordata, *q. v.*

XVI. REPTILIA AND BATRACHIA

ARRANGED BY

I. B. J. SOLLAS

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Annessi embrionali del *Gongylus ocellatus*, sunto; **Giacomini, 1, 2.**

Forma esterna e scheletro delle estremità, *Testudo graeca*; **Ghigi.**

Entwicklung, *Tropidonotus natrix*, vom ersten Auftreten des Proamnios bis zum Schlusse des Amnios; **Krull.**

Formations gastruléennes chez *Lacerta ocellata* Daud.; **Tur, 1.**

Phases of gastrulation, *Phrynosoma cornutum* Harlan; **Edwards and Hahn.**

Resorption des Dotterrestes, *Anguis fragilis* L.; **Cohn, 1.**

Mode of origin of the germinal layers, *Megalobatrachus maximus*; **Lange.**

Morphogenetische Reaktion des Darmkanals der Froschlurve auf Muskelproteine verschiedener Tierklassen; **Babak, 1.**

Formazioni della volta del proencefalo, *Salamandrina perspicillata*; **Livini.**

Sviluppo dei nervi periferici in maniera indipendente dal sistema nervoso centrale; **Banchi, 2.**

Differenzamenti istologici nella regione ottica del cervello, Anfibi anuri; **Barbieri.**

Optic stalk, fate in adult, *Rana*, &c.; **Gradon.**

Embryologie de l'œil, Urodèles; **Waele.**

Nasal skeleton, *Amblystoma punctatum*; **Terry.**

Bemerkungen zu: A. Fleischmann, das Kopfskelett der Amnioten. Morphogenetische Studien; **Göppert.**

Präoraler Darm bei den Sauriern. *Gongylus ocellatus*; **Salvi.**

Munddrüsen und Zahnleiste, Anura; **Oeder, 1, 2.**

Cresta ipocordale in *Gongylus ocellatus*; **Milani.**

Herkunft und Entwicklung des Pancreas, *Alytes obstetricans*; **Braun.**

Nachträgliche Bemerkung zu der Abhandlung „Die Entwicklung der Lungen bei *Tropidonotus natrix*“; **Schmalhausen.**

Extraembryonale Gefässe, Reptilien; **Rückert.**

Circolazione caudali e enori linfatici posteriori degli Anfibi; **Favaro.**

Erste Entwicklung Blut und Gefässe, Amphibien; **Mollier.**

Gefässendothelien und Blut bei Amphibien; **Marcinowski.**

Geschlechtsorgane, Amphibien und Reptilien; **Felix.**

Muscolatura cutanea, *Tropidonotus natrix*; **Buffa, 1.**

Experimental (incl. Regeneration).

Auge, Entwicklung bei Froschen-
bryonen; **Bell, 2.**

Eye and nasal cavities, frog; **Bell, 1.**

Experimental studies on the develop-
ment of the eye in Amphibia. 2.
Cornea; **Lewis.**

Relation between normal and ab-
normal development of the frog's egg;
Morgan, 2, 3.

Biochemisches Verhalten von Amphi-
bieularen; **Braus, 3.**

Maturation de l'œuf chez *Rana*
fusca, segmentation parthénogénésique
provoquée par le gel et l'eau distillée;
Bataillon.

Roentgen rays, ova of toad fertilised
by spermatozoa which have been
exposed to; **Bardeen.**

Émanation du radium, Batraciens;
Wintrebert, 5.

Eaux radioactives de Plombières,
Rana viridis; **Wintrebert, 6.**

Entwicklungsmechanische Studien,
Embryo von *Triton taeniatus*. I. Ori-
entierungsversuche; **Levy.**

Centrifugal force, frog's egg; **Morgan,**
4.

Veränderung der Fortpflanzungstätig-
keit bei *Alytes obstetricans* und *Hyla*
aurea; **Kammerer.**

Sur l'œuf non segmenté de *Rana*
fusca; **Brachet.**

Salt and other solutions, egg of *Rana*;
Jenkinson, 2.

Solutions, frog's egg; **Jenkinson, 3.**

Acids and alkalis, and acid, alkaline
and neutral salts, tadpole, *Rana tem-
poraria*; **Roaf.**

Eau de mer et solutions salines,
larves des Batraciens (French); **Bohn et**
Drzewina.

Ear vesicle, *Rana*, experiments;
Streeter.

Einfluss der Elimination der embry-
onalen Augenblasen auf die Entwicklung
des Gesamtorganismus, Frosch;
Steinitz, 1, 2.

Eihäute und Rückenbildung bei
Frosch- und Schwanzlurchen; **Tornier, 1.**

Gliedmassentransplantationen, Anu-
renlarven (Bauchi); **Braus.**

Embryonale Transplantation; **Spe-
mann, 1.**

Neue Methode der embryonalen
Transplantation; **Spemann, 2.**

Sviluppo degli arti pelvici innestati in
sede anomala. Breve risposta al Prof.
Braus; **Banchi, 3.**

Nervi degli arti pelvici, *Bufo vulgaris*,
innestati in sede anomala; **Gemelli, 2.**

Growth and regeneration of gills,
young *Necturus*; **Eycleshymer, 2.**

Kampf der Gewebe im Regenerat bei
Begünstigung der Hautregeneration;
Tornier, 2.

Kampf der Gewebe im Regenerat bei
Missverhalten des Unterhautbindege-
webes; **Tornier, 3.**

Regeneration der Kiefer bei Reptilien
und Amphibien; **Werber.**

Rigenerazione del cervello, Tritone;
Personali.

Rigenerazione degli abbozzi del
fegato e del pancreas, *Bufo vulgaris*;
Banchi, 1.

Vordere Extremität und Operculum
bei *Bombinator*larven, morphogene
Correlation und Regulation; **Braus.**

Beziehungen des Lymphdruckes zu
den Erscheinungen der Regeneration
und des Wachstums; **Reinke.**

Entstehung und Regenerationsfähig-
keit der Milz; **Daiber.**

Metamorphosis and postembryonic.

Accomplissement régulier des fonctions
de nutrition, des processus d'ontogenèse,
de régénération et de métamorphose,
chez des larves d'alytes, en l'absence
d'une grande étendue de la moelle;
Wintrebert, 2.

Métamorphose de *Salamandra macu-
losa* Laur. en dehors de la moelle et des
ganglions spinaux. Etude histologique;
Wintrebert, 3.

Indépendance de la métamorphose
vis-à-vis du système nerveux chez les
Batraciens; **Wintrebert, 4.**

Métamorphoses internes des Batraciens
anoures; **Anglas, 1, 2.**

Régression de la queue chez les
têtards des Amphibiens anoures;
Guéysse.

Processus phagocytaires pendant la métamorphose des Batraciens anoures; **Mercier**.

Tentakelapparat des Anurengenus *Xenopus*; **Cohn, 2**.

Himalayan tadpoles; **Annandale, 4**.

Young, *Eumeces* and *Bitis nasicornis*; **Beddard, 1**.

Life history, *Xenopus laevis*; **Bles**.

Life history, *Spelerpes maculicaudus*; **Banta and McAtee**.

(Paraphysis and the pineal region in *Necturus maculatus*; **Warren**.)

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Notizen von einer Reise auf die Insel Čeleken (Russ.); **Levčuk**.

Habits and defensive processes (Russ.); **Faussek, V**.

[Feeding habits, American reptiles; **Brimley, 2**.]

Paarung u. Fortpflanzung von Urodelen; **Zeller**.

Breeding habits, buccal nursing, *Hylambates brevirostris*; **Boulenger, 10**.

Legeplätze der Geckonen; **Schnee**.

Ponte extraordinaire, *Lacerta vivipara*; **Olivier, 2**.

Viviparity, *Cophotis*; **Willey, 1**.

Lebendiggebärende Frösche; **Spengel**.

Ovoviviparité de quelques Sauriens et Ophiidiens de la France centrale; **Rollinat**.

Brutpflege, *Phyllomedusa hypochondrialis*; **Musshoff**.

Brutpflege, männliches Tier, *Alytes*; **Kammerer**.

Brutpflege, Grasfrösche; **Riepe**.

Habits, sea snakes; **Lefroy**.

Süßwasserschildkröten; **Klingelhöffer**.

Lebensweise, Reptilien und Amphibien; **Koenen**.

Lebensweise, Schlangen, Krokodile und Taggeckonen; **Werner, 7**.

Habits, Indian tortoises; **Annandale, 2**.

Lebensweise und Fortpflanzung, Reptilien und Amphibien Niederhessens; **Grimme**.

Habits, tortoises; **Newman, 1**.

Habits, *Anniella*; **Coe**.

Habits, *Necturus maculosus*; **Eycleshimer, 1**.

Gastrolithic habits, *Dinosaurs* and other reptiles; **Wieland, 3**.

Intelligenz der Schlangen; **Tiesler**.

Space perception, tortoises; **Yerkes**.

Wetter und Erdbeben anzeigende Tiere (Ungarisch); **Méhely**.

Pugnacity, *Rana esculenta*; **Adams**.

Flight of "flying" snakes; **Shelford**.

Natural foes of the snake; **Wall, 2**.

Chameleon-like change, *Diemictylus*; **Rogers**.

Coloration, *Desmognathus fusca*; **Fowler, 3**.

Antinimistische Anpassungen bei den Thieren (Russ.); **Nikol'skij**.

Adaptive correlation between autotomy and protective secretion; **Hubbard**.

Rasseln, Klapperschlangen; **König, 3**.

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Variation.

Variatione del *Bufo viridis*, *mauritanicus*, *regularis*; **Camerano**.

Meristic variations, *Bufo vulgaris*; **Goto**.

Variation, arterial system, Anura; **Crawshaw**.

Variation de longueur de l'intestine, *Rana fusca* and *esculenta*; **Yung**.

Variabilität der Verdauungsröhre; **Babák, 2**.

Variation in colour; **Levčuk**.

Farbenvarietät von *Salamandra maculosa*; **Schweizerbarth**.

Variation of colour, *Coluber ocellatus*, *Dipsadomorphus cynodon*; **Hewitt**.

Colour variation in *Desmognathus fusca*; **Fowler, 3**.

Eigentümlich gefärbte und gezeichnete, besonders melanische Grasfrösche; **Klunzinger**.

(Anomalie de carapace, cestode d'Europe; **Blanchard**.)

Teratology.

Monstrous reptiles and amphibia, 2-headed, &c.; **Blatchley**.

Double embryo, Florida alligator; **Reese, 3**.

Doppelter Eidechsen-Embryo von Java, *Mabuia multifasciata* Kuhl.; **Tur, 2**.

Hypermelie, Frosch; **Bender**.

Supernumerary tail, *Lacerta ocellata*; **Chaignon**.

Scute and plate abnormalities, *Chelonia*; **Newman, 2**.

Coincidence of abnormalities in scutes and underlying bony plates, *Chelonia*; **Newman, 3**.

Heredity.

Kreuzungsversuche, *Triton blasii*; **Kummer und Wolterstorff**.

Evolution.

Phylogeny, Reptilia; **Jaekel, 2**.

†Anpassungserscheinungen, *Metriorhynchus*; **Arthaber**.

Evolution, *Cnemidophorus*, Mexican spp.; **Gadow**.

Antimimistische Anpassungen (Russ.); **Nikol'skij**.

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A. ACTUAL.

EUROPE.

Europa, Reptilien; **Schmiedeknecht**.

Mittlemeer, *Testudo*-Arten und ihre Verbreitung in Europa; **Siebenrock, 7**.

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Krim, Kubangebiet, Gouvernements Volhynien und Warschau. Reptilien u. Amphibien; **Brauner, 2**.

Gouvernements Suwalki, Minsk, Podolsk, Tschernigov, Bessarabien, Cherson, Ekaterinoslaw und Dnjepr-Kreis des Gouv. Taurien, Reptilien und Amphibien; **Brauner, 1**.

Caucasus, herpetologische Fauna; **Satunin**.

German Empire.

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Niederhessen, Reptilien und Amphibien; **Grimme**.

Bayern, *Necturus maculatus* Raf.; **Lankes**.

Dresden, Moritzburger Grossteich. Ophidien 1 sp. Amphibien 8 spp.; **Schorler, Thallwitz und Schiller**.

Hannover, list, reptiles and amphibia 20 sp.; **Löns**.

Deutschland, Vorkommen der Mauer-eidechse; **Ewald**.

Westpreussen, *Emys europaea*; **Dahms**.

British Islands.

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Scotland, Tay Basin and Strathmore reptiles and amphibia 8 spp.; **Harvie-Brown**.

Ireland, co. Louth, *Lacerta vivipara* caught; **Pentland**.

France.

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Pacy-sur-Eure, faune herpétologique (Lacertilia, ophidia, batrachia); **Barbier, 2**.

France, Marcoing *Pelodytes* captured annually; **Godon**.

Spain.

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Aragon, Amphibia and reptiles, list; **Navás**.

South Europe.

Sicilia, note su alcuni Batraci; **Stefani**.

Dalmatia, reptiles, additions; **Kolombatović**.

- ASIA. e Asiatic Turkey, etc. ei
- Asiatic Russia. ea Kleinasien, Eidechsen, Schlangen und Batrachier 15 spp.; **Steindachner**, 1; Schildkröten 2 spp.; **Siebenrock**, 1.
Russisches Reich, Ergänzungen zur herpetologischen Fauna; **Elpatjevskij** und **Sabanejev**.
Aden Hinterland, *Melanelaps* sp. n.; **Wall**, 3.
Russisches Reich, *Lithorhynchus* sp. n., *Agama* sp. n.; **Elpatjevskij** und **Sabanejev**.
- Verzeichnis der von der Balchaschsee-Expedition an den Küsten des Balchasch-Sees und Ili-Flusses gesammelten Amphibien und Reptilien (Russ.); **Elpatjevskij**.
Reise auf die Insel Čeleken (Russ.); **Levčuk**.
- China, etc. eb
- Insel Hainan, *Trionyx* sp. n.; **Siebenrock**, 6.
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Ostasien, 22 sp. Amphibia; **Wolterstorff**, 4.
- Cochin China, etc. ed
- Vorderasien, Herpetologie; **Zugmayer**.
Vorderasien, Reptilien; **Schmiedeknecht**.
Indo-Chine, serpents, lézards, crocodiles, tortues; **Tirant**.
Indo-Chine, batraciens, serpents, crocodiles, lézards; **Mocquard**, 4.
Indo-Chine, reptiles; **Mocquard**, 5.
- British India, etc. ef
- India, common snakes; **Wall**, 5.
Eastern Himalayas, new Gecko; **Annandale**, 3.
India, tortoises; **Annandale**, 2.
Himalaya, *Lycodon* sp. n.; **Wall**, 4.
India, *Ixalus* sp. n., *Rhacophorus* sp. n.; **Boulenger**, 11.
Ceylon, *Ophidia*, list; **Willey**, 3.
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- Ostafrika und Madagascar, Schildkröten; **Siebenrock**, 8.
Afrique (et Madagascar), Lacertiliens 5 spp. n., Anoure 1 sp. n.; **Mocquard**, 2.
Nordafrika, Reptilien; **Schmiedeknecht**.
Maroc, *Discoglossus pictus*; **Deyrolle**.
Tunisie, Catalogue des reptiles et Batraciens; **Mayet**.
Somaliland, *Glauconia* sp. n.; **Boulenger**, 3.
British East Africa, *Algiroides*, *Leptodira*, *Bufo* spp. n.; **Boulenger**, 1.
Deutsch Ostafrika, *Cerrhosaurus* sp. n., *Gonionotophis* sp. n.; **Werner**, 2.
Mount Ruwenzori, *Chamaeleo* sp. n.; **Boulenger**, 2.
Atheris sp. n.; **Boulenger**, 5.
West Africa, Squamata 13 spp. n., batrachia anura 6 spp. n.; **Boulenger**, 12 and 13.
South Camerooon, *Arthroleptis* 3 spp. n., *Cardioglossa* 1 sp. n., *Hylambates* 2 spp. n., *Fana*, *Rappia* 1 sp. n.; **Boulenger**, 9.
- South Africa fg
- Mashonaland, *Rhampholeon* sp. n.; **Boulenger**, 4.
S. Africa, *Homopus* sp. n.; **Duerden**, 2.
S. Africa, new cynodont, *Murosuchus browni*; **Broom**, 4.
- NORTH AMERICA g
- Île d'Anticosti, absence of amphibia and reptiles; **Schmitt**.
New Jersey, Cape May co., *Clemmys mullenbergi*; **Fowler**, 2.

Pennsylvania, New Jersey and Delaware, notes on reptiles and batrachians; **Stone**.

Pennsylvania, *Ophidia*; **Surface**.

North Carolina, *Plethodon* sp. n.; **Stejneger**, 2.

Washington, Mount Rainier, *Plethodon* sp. n.; v. **Denburgh**, 2.

California, *Hypsiglena ochrorhynceus*; **van Denburgh**, 1.

California, Los Angeles, *Autodax lupubris*; **Miller**.

Florida Keys, reptilia, and chelonian sp. n.; **Fowler**, 1.

CENTRAL AND SOUTH AMERICA AND WEST INDIES h

Mexico, *Phrynosoma* sp. n.; **Stejneger**, 1.

Mexico, *Cnemidophorus* spp.; **Gadow**.

Südmexiko, Schildkröten; **Siebenrock**, 4.

Yucatan, reptilia 33 spp. 2 spp. n., amphibia 7 spp.; **Barbour** and **Cole**.

Costa Rica, *Hyla* sp. n.; **Stejneger**, 3.

Panama Savanna, Reptilia and Amphibia, 3 spp. n.; **Barbour**, 1.

Bahama Islands, snakes; **Barbour**, 2.

Amérique du Sud, lacs des hauts plateaux, Anoures 2, spp. **Neveu-Lemaire**.

Bolivia, Argentina, Peru, 20 sp. anura, 4 spp. n.; **Andersson**.

Brazil, *Chelonia*; **Goeldi**.

AUSTRALASIA i

Nova Guinea, Ecaudata spp. n.; **Kampen**.

Marcus Island, *Perochirus articulatus* and *Ablepharus* sp.; **Bryan**.

Solomon Islands, *Gymnodactylus louisianensis*; **Waite**, 1.

S. Australia, *Denisonia* sp. n., *Varanus* sp. n.; **Boulenger**, 7.

Wilson's Promontory, reptiles and amphibia 10 spp.; **Kershaw**.

New Zealand *Lygosoma* 2 spp. n.; **Boulenger**, 8.

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Die nördlichsten Reptilien und Batrachier; **Werner**, 3.

B. FOSSIL.

Remains from caves, Co. Clare; **Scharff** and others.

Cretacé et Tertiaire, Patagonie, *Dinosauriens*, etc.; **Ameghino**.

Plesiosaurus-Reste aus der Wolga-Stufe an der Lena in Sibirien; **Jakovlev**, 1.

Notes sur les mosasauriens (Russ.); **Jakovlev**, 2.

America, amphicoelian crocodiles, 1 sp. n.; **Williston**, 2.

Terrain houiller, France, *Sauramus* sp. n., *Protriton* sp. n.; **Thévenin**, 2.

Tertiary, Fayûm, Egypt, *Chelonia*; **Andrews**.

Terrains néogènes, Plaine du Comtat (Avignon); **Joleaud**.

Tertiary, N. America, 2 spp. n., turtles; **Hay**, 3.

Pleistocene, Maryland, *Chelonia* 2 spp.; **Hay**, 1.

Tertiary, San Morales, Salamauca, reptilian fragments (ousuchian, rhyncocephalian, lepidosaurian); **Miquel**.

Oligocene, Catalogue, *Emys* sp.; **Vidal et Depéret**.

Oligocène inférieur, Tarrega, chéloniens 2 spp., crocodiliens 1 sp.; **Depéret**.

Miocene, Nebraska and Montana, *Testudo* spp. n.; **Hay**, 2.

Eocene, Egypt, *Crocodylia* 6 spp., 4 spp. n., *Chelonia* 9 spp. 2 spp. n., *Ophidia* 3 spp.; **Andrews**.

Eocän, Monte Bolca, *Archaeophis proavus* Mass.; **Janensch**.

Éocène, Loire-inférieure, *Trionyx* sp, *Crocodylus* sp.; **Leriche**.

Jurassique, Saint-Seine-l'Abbaye, *Teleidosaurus* sp. n.; **Collet**.

Lower Jurassic, Victoria, Australia, *Dinosaurian* claw; **Woodward**, 2.

Karoo beds, S. Africa, characteristic reptilia; **Broom**, 1.

Karoo, Stormberg formation, dinosaurs spp.; **du Toit**.

Permian, Nottinghamshire, footprints; **Hickling**.

Permian reptile unnamed; **O[sborn]**, 3.

Trias and Permian, N. America, *Labyrinthodontidae*, review and 2 n. spp.; **Branson**.

Trias, British Isles, reptilian footprints; **Beasley**.

Trias, British Isles, Moore collection, Bath Museum; **Winwood**.

Trias, S. Africa, Rhynchocephalia gen. n.; **Broom**, 9.

Middle Triassic of Nevada; new marine reptile incert. sedis; **Merriam**.

Cretaceous, Alberta, Chelonian gen. n.; **Lambe**, 2.

Kreideformation, böhm., Synopsis der Saurier; **Fritsch**.

Crétacé, Madagascar, deux gisements de Dinosauriens; **Thévenin**, 1.

Laramie beds, Montana, *Basilemys* sp. n.; **Riggs**.

Nichrara, Cretaceous, Kansas, *Elasmosaurus* 2 spp. n.; **Williston**, 1.

Siluriano, Moncayo, *Chirosaurus* sp. n.; **Navás**.

III.—SYSTEMATIC. 5631

Bericht über die wissenschaftl. Leistungen im Gebiete der Reptilia und Amphibia für 1896. **WERNER**, Arch. Natg., 65, Bd 2, 1899, [1906], (1-78).

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Platyplactylus, Vorderhirn, UNGER, Anat. Hefte, Abt. 1, **31**, (269-348, mit 12 [6] Taf.).

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ARRANGED BY

R. BOWDLER SHARPE

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Pygoscelis antarctica, *adelia*, *papua*, breeding in the South Orkney Islands, nesting habits described, CLARKE, Ibis, London, 1906, (152–164, pls. iv–ix).

Treleudytes, gen. n., type *T. crassa* sp. n., Seymour Island, AMEGHINO, An. Mus., Buenos Aires, 6, (156–158).

ORDER PROCELLARIIFORMES.

Daption capensis, nesting in the South Orkney Islands, EAGLE (CLARKE, Ibis, 1906, (174–177, pl. x, fig. 1).

Diomedea platei, REICHENOW, Ornith. Monatsber., 14, (51).—*D. immutabilis* in Laysan, BOYER, Nature, Paris, 34, (387–389).

Fregetta melanogaster nesting on the South Orkney Islands, CLARKE, Ibis, 1906, (168, 169).

Fulmarus glacialis, nesting, HARVIE-BROWN, Ann. Scot. Nat. Hist., 1906, (239, 240); at Whalsay and Yell, Shetland, TULLOCH, T.c. (240); on the coast of Normandy, MAGAUD d'AUBUSSON, Naturaliste, Paris, 28, (7–8).

Oceanites oceanicus, nesting in the South Orkney Islands, CLARKE, Ibis, 1906, (166–168, pl. x, fig. 2).

Oceanodroma leucorhoa in Massachusetts, THAYER, Auk, Cambridge, Mass., 23, (97); in Co. Fermanagh, LANGHAM, Irish Nat., 15, (45); in Mecklenburg, HELD, Ornith. Monatschr., Gera, 31, (180–182).—*O. castro* in Kent, TICEHURST, Bull. Brit. Ornith. Cl., 19, (20).—*O. beali* Alaska, *O. beldingi* Oregon, EMERSON, (54), Condor, 8; spp. n.

Ossifraga gigantea, nesting on the South Orkney Islands, CLARKE, Ibis, 1906, (172, 173, pl. xi, fig. 2).

Ostrelata wilsoni, Sharpe, = *O. arminjoniana*, Gigl. and Salvad, NICOLL, Ibis, London, 1906, (671, 672).—*O. arminjoniana*, *O. wilsoni* and *O. trinitatis*, Notes, NICOLL, Bull. Brit. Ornith. Cl., 16, (102, 103).

Pogodroma nivea nesting on the South Orkney Islands, CLARKE, Ibis, 1906, (170–172, pl. iii, fig. 1, pl. xi, fig. 1).

Pelecanoides dacunhae sp. n. Tristan da Cunha, NICOLL, Bull. Brit. Ornith. Club, 16, (103).

Phaebetria cornicoides in the Antarctic Seas, CLARKE, Ibis, 1906, (177).

Prion banksi in the South Orkney Islands, CLARKE, Ibis, 1906, (177).

Puffinus kuhli in Sussex, Remarks on *P. flavirostris* and *P. gravis*, BUTTERFIELD, Bull. Brit. Ornith. Cl., 16, (71).—*P. gravis* off Tristan da Cunha, probably breeding there, NICOLL, Bull. Brit. Ornith. Cl., 16, (103, 104).—*P. gravis*, at Lochbroom, HENDERSON, Ann. Scot. Nat. Hist., 1906, (114-115).—*Puffinus tenuirostris* on Phillip Island, CAMPBELL, Emu, 6, (16).

Thalassogeron layardi, Salvin may be *T. cautus* (Gould). SLATER, W. L., Ibis, 1906, (212, 213).

ORDER LARIFORMES.

Pacific coast Gulls, ANTHONY, Auk, Cambridge, Mass., 23, (129-137).

Status and plumages of the white-winged *Larus*; DWIGHT, Auk, Cambridge, Mass., 23, (26-43, 1 pl.).

Laridae.

Möwen als Nachtvögel; SCHUSTER, W., Zool. Beob., Frankfurt a. M., 47, (79).

Neues aus dem Möwenstaat, SCHUSTER, W., Ornith. Rdsch., Berlin, Jg., 2, (49-51).

Notes *Larus argentatus* and *Sterna caspia*, with bibliography; WARD, Milwaukee, Bull. Wis. Nat. Hist. Soc., 4, (113-134, pl.).

Gelochelidon anglica breeding on Mexiana Island, HAGMANN, Ornith. Monatsber., 14, (106, 107).

Gygis crawfordi sp. n. S. Trinidad Island, NICOLL, Bull. Brit. Ornith. Cl., 16, (102); further notes on, *id.* Ibis, 1906, (669, 670).

Hydrochelidon nigra surinamensis, habits, SETON and CHAPMAN, Bird Lore, Harrisburg, Pa., 6, 1904, (1-5).

Larus kumlieni from Cumberland Inlet, HARVIE-BROWN, Ibis, 1906, (388-389).—*L. argentatus*, habits, COLGAN, Irish Nat., 15, (14-16).—*L. argentatus* on Lake Superior, CHRISTY and MCCLINTOCK, Bird Lore, Harrisburg, Pa., 6, 1904,

(86-88).—*L. dominicanus* nesting on the South Orkney Islands, CLARKE, Ibis, 1906, (178-179).—*L. marinus* breeding on North Devon Island, 75° N. Lat., EFRIG, Auk, 23. — *L. ridibundus* in Switzerland, FISCHER-SIGWART, Zool. Beob., 47, (202-212, 229-238); variation in colour of eggs, THIENEMANN, Königsberg, Schr. physik. Ges., 46, (173, 174).

Megalestris antarctica breeding in the South Orkney Islands, EAGLE CLARKE, Ibis, 1906, (180-182).—*M. macconnicki* in the South Orkney Islands, *id.* T.c. (182).—*M. catarrhactes*, BOXBERGER, Kosmos, Stuttgart, 3, (336-370).

[*Nannocnus ijimai* sp. n. Japan, OGAWA, Annot. Zool., Jap. 5, 1905, (215-216, pl. xi).]

Rhodostethia rosea breeding in the Kolymá Delta, E. Siberia, BUTURLIN, Ibis, 1906, (131-139, 333-337); in the Mediterranean, MARTORELLI, T. c. (395); description of the plumages, BUTURLIN, T.c. (664-666); OTTOSON, Zs. Oologie, 16, (133) and DRESSER, Bull. Brit. Ornith. Cl., 16, (97); eggs figured, DRESSER, Ibis, 1906, (610, 611, pl. xx).

Stercorarius catarrhactes at the Faeroes, WINGE, Zoologist, 10, (152).—*S. crepidatus*, at Tanera island, Scotland; HENDERSON, Ann. Scot. Nat. Hist., 1906, (115); at Kincardine-on-Forth: HARVIE-BROWN, T.c. (118); BONAR, T.c. (186, 187).—*S. parasiticus*, in Argyll, BISSHOPP, Ann. Scot. Nat. Hist., 1906, (186); on Clare Island, BARRINGTON, Irish Nat., 15, (193).—*S. pomatorhinus* from Loop Head, Co. Clare, BARRINGTON, *l.c.* (193).

Sterna minuta from the Irtysch district, BUTURLIN, Psuv. i ružejn. ochota, 12, (318).—*S. arctica* in 74° S. Lat., CLARKE, Bull. Brit. Ornith. Cl., 19, (18).—*S. hirundinacea* nesting on the South Orkney Islands, CLARKE, 1906, (177, 178).—*S. hirundo* and *S. dougalli*, notes on; JONES, Wilson Bull., Oberlin, Ohio, 18, (35-47).—*Sterna macroptera* is the winter plumage of *S. fluviatilis*, NEUMANN, J. Ornith., 54, (558).—*S. cantianca*, breeding on Lough Conn., WARREN, Zoologist, 10, (277, 278); breeding in Co. Down, PATTERSON, Irish Nat., 15, (192).—*S. nilotica*, Nesting, BESSERER, München, Verh. ornith. Ges., 6, (123-132), and FISCHER, Zs. Oologie, Berlin, 16, (97, 98).

Xema sabinei, note on, PETIT, Paris, Bul. Soc. zool., **28**, 1903, (196).

ORDER CHARADRIIFORMES.

Aegialitis pyrrhotorax vom Issyk-Kul, BUTURLIN, Psov. i ružejn. ochota, **12**, (318).—*A. hiaticola*, habits, CURTIS, Dorchester, Proc. Dorset. Nat. Hist. F. Cl., **27**, (189–213, pls. 4–15).

Avocetta recurvirostra, near Rye, ALEXANDER, Zoologist, **10**, (152).

Belonopterus cayennensis, Eggs described, HAGMANN, Ornith. Monatsber., **14**, (106).

Burhinus grallarius, habits, CLELAND, Emu, **5**, (191, 192).

Charadrius fulvus aus Tomsk und Usti-Kamenogorsk, BUTURLIN, Psov. i ružejn. ochota, Moskva, **12**, (318).

Chettusia gregaria in the Campagna, PATRIZI MONTORO, Boll. Soc. zool. ital., Ser. 2, **6**, (70–71).

Chionis alba, nesting habits in the South Orkney Islands, CLARKE, Ibis, **1906**, (182–184, pls. iii, fig. 2, xii, xiii, fig. 1).

Erennetes occidentalis Lawr. = *E. mauri* Gundlach (ex Bp.), ALLEN, Auk, **23**, (97, 98).

Gallinago gallinago, weights of, HALDANE, Ann. Scot. Nat. Hist., **1906**, (53, 54).—*G. megala*, from Barnaul, BUTURLIN, Psov. i ružejn. ochota, Moskva, **12**, (318).—*G. major*, occurrence in Orkney. BELL, Ann. Scot. Nat. Hist., **1906**, (54).—*G. major* and *G. gallinula*, breeding in Switzerland, FATIO, Ibis, **1906**, (218).—*G. gallinula*, supposed breeding in Shetland, HALDANE, Ann. Scot. Nat. Hist., **1906**, (239).

Gallinago delicata, nesting of, KELLS, Ottawa Nat., **20**, (53–55).

Haematopus finschi distinct from *H. longirostris*, Remarks on, and on *H. reischekii*, MARTENS, Ornith. Monatsber., **14**, (90–93).

Hedodromus solitarius, eggs of, GARRETT, Ottawa Nat., **20**, (50).

Limonites, Kaup = *Pisobia* Billberg, LÖNNBERG, J. Ornith., **54**, (532).

Machetes pugnax, breeding habits, SELOUS, Zoologist, **10**, (201–219, 285–

294, 419–428); nesting in Yorkshire. NELSON, Ibis, **1906**, (735, 736).

Numenius tenuirostris, from Barnaul, BUTURLIN, Psov. i ružejn. ochota, **12**, (318).

Otis tarda, Fortpflanzung in der Gefangenschaft, (Russ.), ČEREPOVA, V. Psov. i ružejn. ochota, Moskva, **9**, 1905, (128–137); **11**, 1905, (455–456); in Prussia., BRAUN, Königsberg, Schr. physik. Ges., **46**, (193).—*O. tetrax* in Prussia and Silesia, KOLLIRAY, Ornith. Monatsber., **14**, (2) Wrongly identified, id. T.c. (97): in Bavaria. BESSERER, Bayr. Forstztg, Nürnberg, **13**, (1–5); breeding in N.E. Germany, QUISTORP, Ornith. Monatsber., **14**, (31).

Pavonella pugnax in Spanish Guiana, West Indies and New England, PALMER, Auk, **23**, (98–99).

Prosobonia ellisi sp. n. Eimeo Island, SHARPE, Bull. Brit. Ornith. Cl., **16**, (86).

Scolopax, LINDNER, D. Jägerztg, Neudamm, **47**, (362–364).—*S. rusticola*, weights of, HALDANE, Ann. Scot. Nat. Hist., **1906**, (53–54); nesting habits, RATTRAY, Bombay, J. Nat. Hist. Soc., **16**, 1905, (663); Albino, PAČOSKIJ, Psov. i ružejn. ochota, Moskva, **12**, (40); carrying its young, RZEHAJ, Ornith. Monatsschr., Gera, **31**, (506–508); breeding in N. Germany, RÜDIGER, Zs. Oologie, **16**, (45–46).

Totanus melanoleucus in the Scilly Isles, DORRIEN-SMITH, Bull. Brit. Ornith. Cl. **19**, (7) and GRANT, Zoologist, **10**, (470).—*T. calidris*, in Bedfordshire, BEDFORD [Duchess of], T.c. (469).—*T. ochropus* on Fair Island, CLARKE, Ann. Scot. Nat. Hist., **1906**, (76, 77).

Tringa [potius *Rhyacophilus*] *glareola* in Australia, MATTINGLEY, Emu, **5**, (156, 157).—*T. canutus* in Cheshire, COWARD, Zoologist, **10**, (76, 77); near Salisbury, BANKES, T.c. (152).—*T. alpina*, nesting in Lancashire, JACKSON, T.c. (21–25).

ORDER GRUIFORMES.

Anthropoides virgo in captivity, RHEINEN, Ornith. Monatsber., **14**, (96, 97).

Balearica chrysopelargus, REY, Zs. Oologie, **16**, (93–94, 99, 119).

Grus cinerea, migration, SALZMANN, Ornith. Monatschr., Gera, **31**, (253-254).—*G. nigricollis*, eggs described, DRESSER, Ibis, **1906**, (347).—*G. niediecki* sp. n. E. Siberia, REICHENOW, Ornith. Monatsber., **14**, (190).

ORDER ARDEIFORMES.

Heron at home, *Nycticorax naevius* and *Ardea herodias*; FINLEY, Condor, **8**, (35-40 pl.)

Ardea melanocephala, eggs described, NEUMANN, J. Ornith., **54**, (298, 299).—*A. cinerea*, its speed, MAXWELL, Ann. Scot. Nat. Hist., **1906**, (52-53).—*A. herodias*, nesting in Montana, CAMERON, Auk, **23**, (252-262, pl.).—*A. alba*, in Albania, LODGE, Zoologist, **10**, (441-444, pl. vi).

Ardetta Gray = *Ixobrychus* Billberg, LÖNNBERG, J. Ornith., **54**, (533).

Butorides virescens, nesting habits, WHEELOK, Auk, **23**, (432-436 pl.).—*B. crawfordi* sp. n., Assumption Isl. Indian Ocean, NICOLL, Bull. Brit. Ornith. Cl., **16**, (105), figured, Ibis, **1906**, (696, pl. xxi).

Carphibis spinicollis and *Ibis molucca*, notes on nesting, D'OMBRAIN, Emu, **5**, (185-189, pl. xiv).

Ciconia alba in Lorraine in 1902 et 1903, HECHT, E., Paris, Bull. soc. zool., **28**, 1903, (159-164, av. fig.) in 1904, op. cit. **29**, (164-167); in East Prussia, BRAUN, Königsberg, Schr. physik. Ges., **46**, (164-169); breeding in Bavaria, GENGLER, München, Verh. ornith. Ges., **6**, (133-146); nesting on the ground, BRAUN, Königsberg, Schr. physik. Ges., **47**, (80-83); food, SCHEEL, Zs. Ornith., Stettin, **30**, (212-213).

Comatibis eremita, notes on, FATIO, Ibis, **1906**, (139-144).

Geronticus eremita, supposed former habits in Switzerland, FATIO, T.c. (217), and SOLATER, T.c. (316).

Hydranassa tricolor rufimentum, snbsp. n. Trinidad, notes on allied species; HELLMAYR, Nov. Zool., **13**, (50).

Ibis aethiopica from Dassen Island, South Africa, NICOLL, Avicult. Mag., Brighton, (2), **4**, (275-276).

Myateria americana, eggs described, HAGMANN, Ornith. Monatsber., **14**, (105).

Nycticorax griseus, eggs, GOEBEL, Zs. Oologie, **16**, (1-3).

Plegadis Kaup = *Egatheus* Billberg; LÖNNBERG, J. Ornith., **54**, (533).—*P. falcinellus*, on Belfast Lough, WRIGHT, Zoologist, **10**, (393); occurrence in Ireland, WORKMAN, Avicult. Mag. Brighton (2), **4**, (363); at Limbourg, Belgium, DUBOIS, Ornith., **13**, (136).

Theristicus melanopis, egg described. HAGMANN, Ornith. Monatsber., **14**, (165).

ORDER PHOENICOPTERIFORMES.

Phoenicopterus roseus near Dunkirk, VAN KEMPEN, Paris, Bull. soc. zool., **30**, (151); supposed occurrence near Aldeburgh, MURIE, Zoologist, **10**, (393, 394) and GURNEY, T.c. (432); Tongue, MANIS, Biologica, Torino, **1**, (147-156, 1 Tav.).—*P. ruber*, young described, CHAPMAN, Bird Lore, Harrisburg, Pa., **6**, 1904, (193-198).

ORDER ANSERIFORMES.

A few words in reply to Mr. E. W. Oates' paper on the species of bean-geese, ALPHÉRAKY, St. Peterburg, 1906, (7).

Distribution and migration of North American ducks, geese, and swans, COOKE, Washington, D.C., U. S. Dept. Agric., Biol. Surv., Bull., No. **26**, (1-90).

Eclipse plumage and flightlessness. *Anatidae*, FINN, Avicult. Mag. Brighton, (2), **4**, (259-263).

Entenmischlingen, HEINROTH, Berlin, SitzBer. Ges. natf. Freunde, **1906**, (3-4).

Die Enten des Nero-Sees, Gouv. Jaroslavli (Russ.), KAIDALOV, Psov. i ružejn. ochota, Moskva, **12**, (318-320).

Der Flug der Enten, PAČOSKI, (Russ.), Psov. i ružejn. ochota, Moskva, [Buchausgabe], **1906**, **1**, (156-160).

Der Geschlechtsapparat der Mischlinge von *Cairina moschata* (L.) ♂ und *Anas boschas* var. dom. L. ♀, POLL, Berlin, SitzBer. Ges. natf. Freunde, **1906**, (4-7).

Notes on species of *Anser* and *Melanonyx*, ALPHÉRAKY, Ibis, **1906**, (389-394).

Anser albifrons in Madeira, SCHMITZ, Ornith. Monatsber., **14**, (175).—*A. anser*, nesting in the Tay area, LAIDLAW, Ann. Scot. Nat. Hist., **1906**, (237).—*Anas boscas*, notes, DALGLEISH, Zoologist, **10**, (281–284).—*Anas domestica*, Morphologie zweiköpfiger und dreifüssiger Abnormitäten, (Russ.), TARNANI, Novo-Aleksandrija, Zap. Inst. sel'sk. hoz., **18**, (106–134).—*A. platyrhynchos*, Linn. 1758, is the name for the Wild Duck *A. boscas*, LÖNNBERG, J. Ornith., **54**, (529).

Anser; notes on East Indian species, OATES, Bombay, J. Nat. Hist. Soc., **17**, (43–60 cum tab. figs. 1–8).—*A. erythropus* in the Kurisches Nehrung, THIENEMANN, Ornith. Monatsber., **14**, (5, 6, 159).

Bernicla ruficollis in south-western France, KÜNSTLER et CHAINE, Bordeaux, Pr.-verb. soc. sci. phys. nat., **1906**, (19–21); in Holland, SCLATER, Bull. Brit. Ornith. Cl., **19**, (21).

Branta rufina in the Gironde. KÜNSTLER et CHAINE, Bordeaux, Pr.-verb. soc. sci. Phys. nat., **1906**, (21–26).

Chen hyperborea, in Michigan and Ontario, TAVERNER and SWALES, Auk, **23**, (219–220).

Cygnus olor, nests in Seistan, C. *musicus* only a winter visitant in that country, BUTURLIN, Ibis, **1906**, (737).—*C. musicus* said to breed in Seistan, McMAHON, Ibis, **1906**, (397–399), and ANNANDALE, T.c. (612, 613); occurrence at Carlisle, DUNLOP, Zoologist, **10**, (193).—*C. bewicki*, occurrence in N.-W. Mull, MACDONALD, Ann. Scot. Nat. Hist., **1906**, (186).—*C. bewicki* and *C. musicus*, migration in Finland, ALPHERAKY, Priir. i ochota, Moskva, **1906**, Beil., (7–8).

Dafila acuta, breeding in Shetland, HENDERSON, Ann. Scot. Nat. Hist., **1906**, (53).

Dendrocygna javanica from the Andaman Islands, OSMASTON, Bombay, J. Nat. Hist. soc., **17**, (491).—*D. discolor*, eggs described, HAGMANN, Ornith. Monatsber., **14**, (107).

Erismatura australis, nesting habits, CAMPBELL, Emu, **5**, (198).

Fuligula ferina, near Yarrinouth, PATTERSON, Zoologist, **10**, (394, 395); Eclipse plumage, MILLAIS, Bull. Brit. Ornith. Cl., **16**, (80).—*F. homeyeri* in Venice, ARRIGONI DEGLI ODDI, Boll. Soc. zool. ital., Ser. 2, **6**, (123–132).—*F.*

fuligula, changes of feathers, P., Psov. i ružejn. ochota, Moskva, **12**, (531–533).—*F. nyroca*, colour of eyes, BIRD, Zoologist, **10**, (75), SMALLEY, T.c. (112, 113), NICHOLS, T.c. (113), CORBIN, T.c. (194, 195).—*F. glacialis* in Government of Moscow, P., Psov. i ružejn. ochota, Moskva, **12**, (355).—*F. cristata*, breeding habits in confinement, WORMALD, Avicult. Mag., Brighton, (2), **4**, (280–282 cum tab.).—*F. cristata* + *F. nyroca*, P., Psov. i ružejn. ochota, **12**, (337).

Mergus merganser, in the Forth, HARVEY-BROWN, Ann. Scot. Nat. Hist., **1906**, (117); in the Outer Hebrides, ELFRISH, T.c. (53).

Nettion albigulare, Port Blair OSMASTON, Bombay, J. Nat. Hist. Soc., **17**, (491).—*N. formosum* at Maldon, Essex (probably an escaped individual), HARTING, Bull. Brit. Ornith. Cl., **16**, (80, 81).

Eedemia nigra, in Cheshire, OLDHAM, Zoologist, **10**, (277); in the Outer Hebrides, ELFRISH, Ann. Scot. Nat. Hist., **1906**, (53).—*O. perspicillata*, at Stromness Harbour, ROBINSON, T.c. (116–117).

Querquedula crinomus sp. n. Peru, OBERHOLSER, Washington, D.C., Proc. Biol. Soc., **19**, (93).

Somateria mollissima, notes, HAGEN-DEFELDT, Zs. Ornith., Stettin, **30**, (161–164); from Stromness, Orkneys, with a V-shaped mark on the throat, like *S. v-nigrum*, HOWARD SAUNDERS, Bull. Brit. Ornith. Cl., **16**, (44); notes on plumage, KAPELIKIN, Psov. i ružejn. ochota, Moskva, **11**, (470–471); in Cheshire, OLDHAM, Zoologist, **10**, (75); in the Camargue, MINGAUD, Nîmes, Bul. soc. étud. sci. nat., **33**, (170–171); breeding in Holland, VAN OORT, Ornith. Monatsber., **14**, (173, 174); habits, LIE-PETTERSEN, Bergen, Naturen, **30**, (161–172).—*S. spectabilis*, in Orkney, SMALLEY, Zoologist, **10**, (113–114); on the Murman coast, NIKOLSKIJ, Psov. i ružejn. ochota, Moskva, **12**, (413–415).

Spatula clypeata, intermediate plumage described, BONHOPE, Bull. Brit. Ornith. Cl., **16**, (64, 65), ROTHSCHILD, T.c., (65), MILLAIS, T.c. (65, 76).

Tadorna tadorna on Sylt, HAGEN-DEFELDT, Zs. Ornith., Stettin, **30**, (121–125).

ORDER PELECANIFORMES.

Anhinga plotus, notes, CHAPÉL, Nîmes, Bul. soc. étud. sci. nat., **31**, [1904], (28-29).

Pelecanus onocrotalus in Prussia, BRAUN, Königsberg, Schr. physik. Ges., **46**, (180-181); occurrence in Oxfordshire, COCKS, Zoologist, **10**, (193-194); near Whitstable, SAUNDERS, T.c. (431-432).—*P. crispus*, Eastern Europe, LODGE, T.c. (361-369, pl. 1); photographs of nests, LODGE, London, Bull. Brit. Ornith. Cl., **19**, (23).

Phalacrocorax carbo maroccanus, subsp. n. Morocco, HARTERT, Bull. Brit. Ornith. Cl., **16**, (110-111).—*P. atriceps*, nesting in the South Orkney Islands, CLARKE, Ibis, **1906**, (184-186, pl. xiii, fig. 2).

Sula sula, habits in Tasmania, DORE, Emu, **5**, (159, 160).

ORDER CATHARTIDIFORMES.

Catharistes atratus breeding on Mexiana Island, HAGMANN, Ornith. Monatsber., Berlin, **14**, (110, 111).

Gymnogyps californianus, life history, FINLEY, Condor, **8**, (135-142, pl.).

ORDER ACCIPITRIFORMES.

Beitrag zur Bestimmung der Raubvögel im Fluge, BESSERER, Monatshefte Jagdschutzver., Berlin, **11**, (158-164, 178-183, 193-200).

Die Fänge der Raubvögel, HENNICKE, Ornith. Monatschr., Gera, **31**, (77-78, mit Taf.).

North American eagles and their economic relations; OBERHOLSER, Washington, D.C., Bull., U. S. Dept. Agric., Biol. Surv., No. **27**, (1-31), pl.

Die Raubvögel der Umgegend der Stadt Tary, USAKOV, (Russ.), Psov. i ruzejn. ochota, Moskva, **12**, (382-384).

Accipiter nisus, habits, CORBIN, Zoologist, **10**, (192, 193); habits, WEMER, Ornith. Rdsch., Berlin, **2**, (78); *A. nisus lodygini*, subsp. n. Kham, S. E. Tibet, BIANCHI, Bull. Brit. Ornith. Cl., **16**, (70).—*A. bicolor schistochlamys*, subsp. n. W. Ecuador, HELLMAYR, T.c. (82).—*A. virgatus*, habits, OSMASTON, Bombay, J. Nat. Hist. Soc., **17**, (488).

Aquila chrysaetos, notes, FINLEY, Condor, **8**, (5-11), pl.—*A. orientalis*, habits, ROSSIKOV, Naturfreund, **1**, (23-28, mit 1 Taf.).—*A. hastata*, nesting habits, RATTRAY, Bombay, J. Nat. Hist. Soc., **16**, 1905, (662).—*A. naevia*, nesting habits, RÜDIGER, Zs. Oologie, **16**, (133-135).

Archibuteo hemiptilopus, nest and eggs, DRESSER, Ibis, **1906**, (344, 345).

Astur gentilis (Linn. 1758), the name of the Goshawk, *A. palumbarius*, LÖNNBERG, J. Ornith., **54**, (528).—*A. palumbarius*, notes on, KLEMENZ, Psov. i ruzejn. ochota, Moskva, **12**, (210-212, 226-228, 242-244); *A. palumbarius khamensis* subsp. n. Kham S. E. Tibet, BIANCHI, Bull. Brit. Ornith. Cl., **16**, (70, 71).—*A. tachiro orienticola* sp. n. E. Africa, OBERHOLSER, Pittsburgh, Pa., Ann. Carnegie, Mus., **3**, (495).—*A. brevipes*, in Hungary, CSÖRGEY, Aquila, **13**, (171-179, 2 Taf.).

Baza magnirostris from Mindanao. GRANT, Ibis, **1906**, (497, 498).

Busarellus nigricollis, eggs, HAGMANN, Ornith. Monatsber., **14**, (108, 109).

Buteo albicaudatus albicaudatus, Trinidad, HELLMAYR, Nov. Zool., **13**, (46).—*B. jackal*, breeding in captivity, plumage of young, GURNEY, Avicult. Mag., Brighton, (2), **5**, (360).—*B. ferax* in Switzerland, BERG, Ornith. Monatsber., **14**, (63); in the Netherlands, SNOUCKAERT VAN SCHAUURG, Amsterdam, Versl. Med. Ned. Ornith. Ver., **3**, (25-43); near Lyon, ARRIGONI DEGLI ODDI, Paris, Bul. soc. zool., **28**, 1903, (131-140).—*B. menetriesi*, in Hungary, CSÖRGEY, Aquila, **13**, (171-179, 2 Taf.).—*B. vulgaris*, nests, VAN KEMPEN, Paris, Bul. soc. zool., **30**, (151).—*B. lineatus elegans*, notes, SHARP, Condor, **8**, (144-148).—*B. lagopus*, in Somerset, MEYRICK, Zoologist, **10**, (469).—*B. melanosternus* sp. n. Cuzco Peru, BERLEPSCH and STOLZMANN, Ornith., **13**, (104).

Circus vespertinus, Nistén, BUDA, Aquila, **13**, (169).

Circus gallicus, habits, ROSSIKOV, Naturfreund, St. Petersburg, **1**, (191-198, mit 1 Taf.).

Circus cyaneus, breeding in Cornwall, CLEAVE, Zoologist, **10**, (34, 35).

Falco peregrinus, at the Sandaighthouse, MACEWEN, Ann. Scot. Nat. Hist.,

1906, (116).—*F. peregrinus anatum*, habits, THAYER, Bird Lore, Harrisburg, Pa., 6, 1904, (47-53).—*F. subniger*, habits, FLETCHER, Emu, 5, (227, 228).—*F. subniger, lunulatus*, and *melanogenys* in Victoria, [ELCHER], Emu 5, (204).—*F. subbuteo*, SALZMANN, Ornith., Monatschr., 31, (511); Aufzucht, Lebensgewohnheiten, ROSSIKOV, Naturfreund, 1, (80-85, mit 1 Taf.).—*F. eleonora*, VAUCHER, Feuille jeunes natural., Paris, 36, (99-100).—*F. asalon* nesting in a tree, HALL, Bull. Brit. Ornith. Cl., 19, (21).—*F. fusco-ceruleus*, eggs, HAGMANN, Ornith. Monatsber., 14, (109).—*F. candicans*, in Barra, MACGILLIVRAY, Ann. Scot. Nat. Hist., 1906, (237).—*F. islandus*, on the Eye Peninsula, Lewis, HARVIE-BROWN, T.c. (185).

Gypaëtus barbatus, habits, PHILLOTT, Calcutta, J. As. Soc. Beng., 2, (523); in Algeria, bone-breaking habits, WALLIS, Bull. Brit. Ornith. Cl., 16, (97).

Haliaëtus albicilla in Staffordshire, MASEFIELD, Zoologist, 10, (74).—*H. leucocephalus*, habits, NEHRING, Natur u. Haus, Dresden, 14, (276-278, 290-293); eggs, WILLARD, Auk, 23, (222).—*H. leucoryphus* in Sicily, STEFANI PEREZ, Naturalista sicil., 18, 1905, (51-52); *H. a. chrysaëtus*, T.c. (116-118).

Haliaëtus girrencrea feeding on snakes, BANFIELD, Emu, 6, (16, 17).

Heterospizias meridionalis eggs, HAGMANN, Ornith. Monatsber., 14, (108).

Hierofalco candicans in Belgium, DUBOIS, Ornith., 13, (134).

Ictinaetus malayensis, nesting habits, RATTRAY, Bombay, J. Nat. Hist. Soc., 16, 1905, (662).

Lophoictinia isura in confinement, BONHOTE, Avicult. Mag., Brighton, (2), 4, (195-196).

Lophotriorchis lucani, adult male, comparison with adult of *Hieraëtus spilogaster*, NEUMANN, Bull. Brit. Ornith. Cl., 16, (112, 113).

Milvus iclinus in Somerset, BLATHWAYT, Zoologist, 10, (377-379).

Neophron perenopterus, breeding, RATTRAY, Bombay, J. Nat. Hist. Soc., 16, 1905, (662).

Pandion haliaëtus, mode of carrying its prey, LODGE, Zoologist, 10, (35).

(N-9720 g)

Pernis apivorus in captivity, MILLAIS, Field, Feb. 24, 1906, and Avicult. Mag., Brighton, (2), 4, (208, 209).

Polyborus tharus, eggs, HAGMANN, Ornith. Monatsber., 14, (109).

Spilornis cheela, egg, RATTRAY, Bombay, J. Nat. Hist. Soc., 16, 1905, (662).

Tinnunculus alaudarius, habits, PHILLOTT, Calcutta, J. As. Soc. Beng., 2, (527).

Uroaëtes aulax feeding on rats, BERNEY, Emu, 6, (13).

Urubitinga zonura, eggs, HAGMANN, Ornith. Monatsber., 14, (108).

ORDER STRIGIFORMES.

Nahrung einiger Eulen, GEYR VON SCHWEPPEBURG, J. Ornith., Leipzig, 54, (534-557).

Asio otus, SCHWARTZ, Berlin, Arb. biol. Anst., 5, (279-281, mit 1 Taf.).—*A. accipitrinus*, early breeding, GYNGELL, Zoologist, 10, (35).—*A. accipitrinus pallidus* subsp. n. in Russia, W. Siberia, Turkestan and Persia, SARUNY and LUDON, Ornith. Monatsber., 14, (151).—*A. leucotis nigrovertex*, Erl. = the true *Scops leucotis* (Temm.).—*S. erlangeri*, nom. nov. pro *Asio leucotis*, Erl. (nec Temm.), GRANT, Ibis, 1906, (660).

Bubo ignavus u. *B. maximus*, in Böhmen, Loos, Berlin, 1906, (73, mit 8 Taf.).—*B. bubo tibetanus* subsp. n. Kham S.E. Tibet, BRANCHI, Bull. Brit. Ornith. Cl., 16, (69).—*B. ascalaphus trothae* subsp. n. German S.W. Africa, REICHENOW, Ornith. Monatsber., 14, (10).

Carine noctua in E. Prussia, LUDON, Ornith. Monatsber., 14, (190-191).

Cryptoglaux ridgwayi sp. n. Costa Rica, ALFARO, Washington, D.C., Proc. Biol. Soc., 18, (217).

Glaucidium brodiei, nesting, RATTRAY, Bombay, J. Nat. Hist. Soc., 16, 1905, (662).

Heteroscops vulpes sp. n. Gynong Tahan Malay Peninsula, GRANT, Bull. Brit. Ornith. Cl., 19, (11, 12).

Megascops asio, notes on, COOLIDGE, Auk, 23, (48-55).—*M. a. bendirei*, red plumage, EMERSON, Condor, 8, (29).

Ninox boobook cinnamomina subsp. n. Tapa Island of Babber, HARTERT, Nov. Zool., 13, (293).

Nyctala funerea (Linn. 1758) vice *N. tengmalmi* (Gm.), LÖNNBERG, J. Ornith., **54**, (531).

Nyctea scandiaca, in Ireland, WILLIAMS, Zoologist, **10**, (351).—*N. nivea*, large flights, DEANE, Auk, **23**, (100-101, 283-298).

Otus choliba thompsoni subsp. n., COLE, Cambridge, Mass., Bull. Mus. Comp. Zool., Harvard Coll., **50**, (109-146).

Pisorhina scopis, specimen from Hamburg = *P. choliba* (V.), HARTERT, Ornith. Monatsber., **14**, (81).

Pseudopteryx mindanensis sp. n. Davao Mindanao, GRANT, Bull. Brit. Ornith. Cl., **16**, (99), and Ibis, **1906**, (496).

Scops scopis, breeding in, St. Petersburg, Government, ALPHERAKY, Sov. i ruzejn. ochota, Moskva, **12**, (398).—*S. balli*, notes on, OSMASTON, Bombay, J. Nat. Hist. Soc., **17**, (487).—*S. asio kenneicotti*, BOWLES, Condor, **8**, (143-144).

(*Scops faecae*, sp. n. Anno Bom. Isl., SALVADORI, Torino, Mem. Acc. sc., **53**, 1903, (95-96).)

Scotiapteryx cinerea, note EHRIG, Ottawa Nat., **20**, (79-81).

Surnia funerea (Linn.) = *S. ulula*, OBERHOLSER, Washington, D.C., Proc. Biol. Soc., **19**, (42-43).—*S. ulula* in der kurischen Nehrung, THIENEMANN, Ornith. Monatsber., **16**, (6, 190).—*S. ulula tianshanica*, subsp. n. Tianshan Mts, SMALL-BONES, Ornith. Monatsber., **14**, (27-29).

Syrnium aluco, early breeding, GYNGELL, Zoologist, **10**, (35); nesting, WEMER, Zs. Oologie, **16**, (117-119); eggs, OTTO, T.c. (81-86).—*S. aluco* and *S. stridula*, notes on Linnæus, diagnoses, LÖNNBERG, J. Ornith., **54**, (530); *S. bartelsi* sp. n. Java, FINSCH, Ibis, **1906**, (402-404, pl. xvii), and Bull. Brit. Ornith. Cl., **16**, (63).

ORDER PSITTACIFORMES.

Vide SALVADORI, **3**.

Agapornis nigrigenis sp. n. Muguazi River, N. W. Rhodesia, W. L. SOLATER, Bull. Brit. Ornith. Cl., **16**, (61-62).

Bolborhynchus monachus, habits, FASSBENDER, Geflügelzüchter, Leipzig, **11**, 386-387.

Brotagerys viridissima, FRISCH, Natur und Haus, Dresden, **15**, (90-92).

Cacatua sanguinea, habits, FLETCHER, Emu, **5**, (228, 229).

Charmosyna stellae walnesi sp. n., German New Guinea, ROTHSCILD, Bull. Brit. Ornith. Cl., **19**, (27, 28).

Comerius aureus breeding on Mexicano Island, HAGMANN, Ornith. Monatsber., **14**, (110).

Loriculus vernalis, OSMASTON, Bonibay, J. Nat. Hist. Soc., **17**, (487).—*L. philippensis dohertyi* subsp. n., Basilan Philippine islands, HARTERT, Nov. Zool., **13**, (757-758).

Melopsittacus undulatus in Central Queensland, FORD, Emu, **5**, (158); in Western district of Victoria, AUSTIN, Emu, **5**, (204).

Nestor notabilis carnivorous habits, BENHAM, Nature, London, **73**, 1902, (559), and Ibis, **1906**, (742).

Palaeornis magnirostris, breeding in captivity, BOUGHTON-LEIGH, Avicult. Mag., Brighton, (2), **4**, (336).

Platyceercus elegans immature plumage, SETH-SMITH, Avicult. Mag., Brighton, (2), **4**, (157-158).—*P. erythropeplus*, Salvad. = *P. elegans* × *P. eximius*, SETH-SMITH, Avicult. Mag., (2), **4**, (132).—*P. melanoptera* sp. n., Kangaroo Island, North, Emu, **6**, (78).

Psittacula passerina, habits, UFER, Natur u. Haus, **14**, (166-168).

Pyrrhura leucotis, breeding in confinement, Brook, Avicult. Mag., Brighton, (2), **5**, (59, 60).—*P. picta amazonum* subsp. n., Lower Amazonia, HELLMAYR, Bull. Brit. Ornith. Cl., **19**, (8).—*P. hoffmanni*, subsp. n., *gaudens*, Chiriqui BANGS, Washington, D.C., Proc. Biol. Soc., **19**, (103).

Rhynchopsitta pachyrhyncha, nest and eggs, THAYER, Auk, **23**, (223-224).

Trichoglossus johnstoniae, GOODFELLOW, Avicult. Mag., Brighton, (2), **4**, (83-88, tab.); Nesting in captivity, JOHNSTONE, op. cit. **5**, (44-46).

ORDER CORACIIFORMES.

Sub-Order Steatornithes.

Steatornis caripensis, notes, INGRAM, Avicult. Mag., Brighton, (2), **4**, (236-239, tab.).

Sub-Order Podargi.

Batrachostomus septimus, nest, GRANT, Ibis, 1906, (489, 490).

Coracias garrulus, range. SCHUSTER, Natur. u. Haus, Dresden, 14, (264-265); in Sutherlandshire, GUNNIS, Ann. Scot. Nat. Hist., 1906, (185).

Sub-Order Halcyones.

Alcedo ispida, BALZ, Weidmann, Berlin, 37, (852-853); habits, GROTE, Zs. Oologie, 16, (57-59).—*A. beavani*, eggs, OSMASTON, Bombay, J. Nat. Hist. Soc., 17, (162).

Ceyx basilanica distinct from *mindanensis*, GRANT, Ibis, 1906, (491, 492).—*C. goodfellowi* described, id. l.c.

Dacelo gigas devouring small birds, MACDONALD, Emu, 6, (74).

Halcyon smyrnensis, eggs, OSMASTON, Bombay, J. Nat. Hist. Soc., 17, (162).—*H. senegalensis fuscipileus* "consp. n." Camaroons, REICHENOW, Ornith. Monatsber., Berlin, 14, (171, 163).

Sauropatis chloris, eggs, OSMASTON, Bombay, J. Nat. Hist. Soc., 17, (163).

Sub-Order Bucerotes.

Bycanistes aloysii sp. n., Uganda, SALVADORI, Boll. Mus. Torino, 21, No. 542, (1).

Sub-Order Upupae.

Irisor viridis, nesting. SCLATER, Bull. Brit. Ornith. Cl., 16, (48, 63); eggs, HAAGNER, op. cit., 19, (23).—*O. erythrorhynchus marvitzii* subsp. n. Wembere Steppes E. Africa, REICHENOW, Ornith. Monatsber., 14, (171).

Upupa epops, in Argyllshire, CAMPBELL, Ann. Scot. Nat. Hist., 1906, (52); on Lundy Island, JOY, Zoologist, 10, (285); in Norfolk, MOURITZ, T.c. (191); in confinement, DICHTL, Gefied. Welt, Magdeburg, 35, (61-62); notes, REEKER, NatCab., Grünberg, 1906, (216); WIGGER, Münster, Jahresber. ProvVer Wiss., 34, (128-130).

Sub-Order Meropes.

Dicrocerous hirundineus heuglini subsp. n., Upper White Nile and (N-9720 g)

Gazelle River, *D. h. omoensis*, subsp. n., Omo River district, NEUMANN, Bull. Brit. Ornith. Cl., 16, (113, 114).

Melittophagus swinhoii, eggs, OSMASTON, Bombay, J. Nat. Hist. Soc., 17, (162),

Merops furcatus Stanley = *hirundineus* Licht., NEUMANN, Bull. Brit. Ornith. Cl., 16, (113).—*M. apiaster*, in the Scilly Isles, GRANT, Zoologist, 10, (470); in Holland, SNOUOKAERT VAN SCHAUURG, Amsterdam, Versl. Med. Ned. Ornith. Ver., 3, (25-43).—*M. persicus*, in Italy, LEONE, Boll. Soc. zool. ital., Ser. 2, 6, (180-183).

Sub-Order Momoti.

Eumomota superciliaris subsp. n. *australis*, BANGS, Washington, D.C., Proc. Biol. Soc., 19, (104).

Momotus connexus sp. n., Panama. THAYER and BANGS, Cambridge, Mass., Bull. Mus. Comp. Zool. Harvard Coll., 46, (215).

Sub-Order Caprimulgi.

Caprimulgus manillensis, eggs, GRANT, Ibis, 1906, (488).—*C. andamanicus*, notes, OSMASTON, Bombay, J. Nat. Hist. Soc., 17, (486).—*C. europæus*, nesting habits, eggs, RATTRAY, op. cit. 16, (660).—*C. indicus*, nesting habits, RATTRAY, l.c.—*C. apatellus*, Notes, SHARPE, Ibis, 1906, (519).—*C. batesi* sp. n. River Ja, Camaroons, SHARPE, Bull. Brit. Ornith. Cl., 19, (18, 19).

Macropsalis lyra peruana subsp. n. Cuzco Peru, BERLEPSCH and STOLZMANN, Ornith. London, 13, (121).

Macrodipteryx macrodipterus, Egg, NEUMANN, J. Ornith., 54, (300).

Nyctidromus albicollis, breeding on Mexiana Island, Eggs, HAGMANN, Ornith. Monatsber., Berlin, 14, (110).

Phalaenoptilus, Anatomy, MARSHALL, Philadelphia, Pa., Proc. Amer. Phil. Soc., 44, (213-240).

Sub-Order Cypseli.

Aerodramus subgen. n. of *Collocalia*, OBERHOLSER, Philadelphia, Pa., Proc. Acad. Nat. Sci., 58.

Apus roehli (172), *A. apus marvitzii* (171), E. Africa. REICHENOW, Ornith. Monatsber., 14, (171), spp. n.

Chaetura poliura (Temm.) = *pelagica* (Linn.), HELLMAYR, Nov. Zool., **13**, (37).—*C. vauri*, DAWSON, Auk, **23**, (224-225).—*C. cinereiventris phaeopygos* subsp. n. Costa Rica, HELLMAYR, Bull. Brit. Ornith. Cl., **16**, (83).—*C. stictilama marwitzii* subsp. n. Inkalama, E. Africa, REICHENOW, Ornith. Monatsber., **14**, (171).

Collocalia agnota, *ocista*, *origenis*, *thespesia*, spp. n.; *fuciphaga elaphra*, *unicolor amelis*, *francica townsendi*, *linchi cyanoptila*, *linchi elachyptera*, *linchi isonota*, subsp. n.; OBERHOLSER, Philadelphia, Pa., Proc. Acad. Nat. Sci., **58**.—*C. francica*, *linchi*, notes, OSMASTON, Bombay, J. Nat. Hist. Soc., **17**, (486).

Cypselus melba, nesting habits, RAT-TRAY, Bombay, J. Nat. Hist. Soc., **16**, 1905, (660).—*C. apus*, notes, TSOCHUSI ZU SCHMIDHOFFEN, Ornith. Monatschr., Gera, **34**, (577-578); habits, BERTRAM, T.c. (238-253, 257-260); migration, WEMER, Zool. Beob., **47**, (373-376); migration Devonshire, YERNURY, Bull. Brit. Ornith. Cl., **16**, (96, 97); late breeding, LEWIS, Zoologist, **1906**, (30, 31).—*C. mayottensis* sp. n., Mayotte Isl., NICOLL, Bull. Brit. Ornith. Cl., **16**, (104), and notes on, *id.*, Ibis, **1906**, (681).

Hemiprocne Nitzsch = *Macropteryx* Swainson, OBERHOLSER, Washington, D.C., Proc. Biol. Soc., **19**, (67-70).

Macropteryx cornata major Hartert, not separable from *M. cornata*, GRANT, Ibis, **1906**, (487, 488).

Streptoprocne gen. n. for *Hirundo zonaris* Shaw, OBERHOLSER, Washington, D.C., Proc. Biol. Soc., **19**, (69).

Sub-Order Trochili.

La Faune argentine. L'Oiseau-Mouche et les Inséparables. BLASI, Aviculteur, Paris, **25**, 1905, (123-126).

Avocettula recurvirostris from Pará, HELLMAYR, Nov. Zool., **13**, (377).

Calliphlox amethystina, at Pará, HELLMAYR, T.c. (379).

Calypte costae, eggs, CARPENTER, Condor, **8**, (57).

Discosura longicauda, from Pará, HELLMAYR, Nov. Zool., **13**, (379).

Glaucis lanceolata, Gould = *G. hirsuta* (Gm.), HELLMAYR, T.c. (374).

Hylonympha macrocera, Gould, is from Venezuela, not Brazil, HELLMAYR, T.c.

Leucuria phalerata Bangs is a *Helianthea*, HELLMAYR, Bull. Brit. Ornith. Cl., **19**, (29).

Petasophora isolata in confinement, SETH-SMITH, Avicult. Mag., Brighton, **2**, **4**, (109-111).

Phaethornis rufurumi amazonicus subsp. n. Santarem Lower Amazonia, HELLMAYR, Bull. Brit. Ornith. Cl., **16**, (83).—*P. guianensis*, Bourc. = *affinis* Pelz., HELLMAYR, Nov. Zool., **13**, (374), the form from British Guiana should stand as *P. ruber episcopus*, Gould, *id.* T.c. (375).

Saucerottea cyanura impatiens subsp. n., Costa Rica, BANGS, Washington, D.C., Proc. Biol. Soc., **19**, (104).

Thalurania simoni, forma nov. Rio Solimões Brazil, HELLMAYR, Bull. Brit. Ornith. Cl., **19**, (8, 9).

Threnetes cervinicauda Gould, from Pará, HELLMAYR, Nov. Zool., **13**, (374).

Trochilus reginae. Schreibers = *Loophormis gouldii* (Less), HELLMAYR, T.c. (379).

ORDER TROGONES.

Trogon curucui and allies. Notes, HELLMAYR, Nov. Zool., **13**, (41).

ORDER COCCYGES.

Eggs of Indian Parasitic Cuckoos, BAKER, Bombay J. Nat. Hist. Soc., **17**, (351-374, with 1 pl.).

Parasitic habits of four Australian Cuckoos, CAMPBELL, Emu, **5**, (196-198).

La légende de Jenner sur l'isolement du jeune Coucou dans le nid, RASPAIL, Paris, Bul. Soc. zool., **30**, 1905, (29-39).

Centropus assumptionis sp. n. Assumption Isld. Indian Ocean, NICOLL, Bull. Brit. Ornith. Cl., **16**, (105); Note, NICOLL, Ibis., **1906**, (694).—*C. andamanensis*, Note, OSMASTON, Bombay, J. Nat. Hist. Soc., **17**, (487).

Chaleococcyx plagosus laying in mid-winter near Sydney, MATTINGLEY, Emu, **6**, (66).—*C. lucidus* with *Malurus cyanens* as foster parent, BARRETT, T.c. (pl. viii).—*C. plagosus*, jur. figured. *id.* T.c. (pl. vii).

Cuculus: Notes on Australian species, NORTH, Ibis, **1906**, (53-55), HARRISON, Emu, **6**, (27).—*Cuculus pallidus* in New South Wales, HARRISON, T.c. (65); in Victoria, CAMPBELL, T.c. (65); in Tasmania, DORE, T.c. (65, 66); young fed by two pairs of Honey-eaters, BRENT, op. cit. **5**, (209, 210); foster-parents, CAMPBELL, op. cit. **6**, (16).—*C. flabelliformis*, auct. (nec Lath.) must be called *C. rufulus*, Vieill.; NORTH, Ibis, **1906**, (53-55); Latham's name founded on Watling's Drawings, SHARPE, London, Hist. Coll. Brit. Mus., (120).—*C. intermedius* in New South Wales, NORTH, Proc. Linn. Soc. N.S.W., **30**, 1905, (260); in Northern Territory of S. Australia, ASHBY, Emu, **6**, (72).—*C. micropterus*, parasitic on *Trochalopteryx lineatum*, and *Larvivora brunnea*, RATTRAY, Bombay J. Nat. Hist. Soc., **16**, 1905, (661).—*C. canorus*, cry, PASZLAWSZKY, Termt. Közl., **38**, (412-413); song at night, RAMSBOTHAM, Zoologist, **10**, (285); cry, SCHUSTER, Münster, Jahresber. ProvVer. Wiss., **34**, (133-146); cry, THOMAS, Thür. Monatsbl., **14**, (17-20, 29-31); notes on, LINK, München, Verh. ornith. Ges., **6**, (150-193); habits, WEMER, Münster, Jahresber. ProvVer. Wiss., **34**, (42); habits, WEMER, Zool. Beob., **47**, (238-241); breeding habits, ELLISON, Zoologist, **10**, (72-74); BUTTERFIELD, T.c. (110-112); parasitic on *Linola flavivestris*, BUTTERFIELD, T.c. (31-33); remarkable clutch of eggs, BUNYARD, T.c. (430, 431) and BUTLER, T.c. (469, 470); three eggs in one nest, TUCK, (276); curious egg in nest of *Regulus cristatus*, READ, Bull. Brit. Ornith. Cl., **19**, (21-22).

Piaya cayana insulana subsp. n. Trinidad, Notes on allied species, HELLMAYR, Nov. Zool., **13**, (43-44).

Surniculus lugubris, eggs found in the nest of Ashy Drongo, RATTRAY, Bombay, J. Nat. Hist. Soc., **16**, 1905, (661).

ORDER SCANSORES.

Indicator narokensis sp. n. Doinyo Narok Int. Brit. E. Africa, JACKSON, Bull. Brit. Ornith. Cl., **19**, (20).

Capito punctatus subsp. n. Rio Cadena, Peru, BERLEPSCH and STOLZMANN, Ornith. **13**, (123).—*C. versicolor*, *C. glaucogularis*, iid. T.c. (98).

Xylobucco aloysii sp. n. Uganda, SALVADORI, Boll. Mus. Torino, **21**, No. 542, (2).

ORDER PICIFORMES.

Campophilus melanoleucus eggs from Mexiana Island, HAGMANN, Ornith. Monatsber., **14**, (110).

Celeus elegans and allies, *C. léotaudi* sp. n. Trinidad, HELLMAYR, Nov. Zool., **13**, (39).

Chysoptilus sp. n. Para, SNETHLAGE, J. Ornith., **54**, (499).

Deudrocopus major and its races, MARTORELLI, Milano, Atti Soc. ital. Sc. nat., **46**, (1-14).—*D. major tenuirostris* subsp. n., Transcaucasia, BUTURLIN, Ibis, **1906**, (412, 414); *D. leuconotus lilfordi* and *D. medino caucasicus*, notes on, BUTURLIN, T.c., (413, 414).—*D. minor* in Hertfordshire, WESTELL, Zoologist, **10**, (31).

Dryobates pubescens, habits, SHARPLES, Auk, **23**, (101).—*D. villosus* and allies plumage, JENKINS, Auk, **23**, (161-171).

Dryocopus martius, HEYDER, Ornith. Rdsch., Berlin, **2**, (52-53); in Saxony, HEYDER, Ornith. Monatsber., **14**, (167-171, 183-189); in Belgium, DUBOIS, Ornith. **13**, (134); *D. martius reichenovi*, subsp. n., Ussuri River, KOTHE, Ornith. Monatsber., **14**, (95).

Gecinus canus in Belgium, DUBOIS, Ornith. **13**, (134).—*G. guerini kogo* subsp. n., S.E. Tibet, BIANCHI, Bull. Brit. Ornith. Cl., **16**, (69).—*G. sordidior* sp. n., W. Yun-nan, RIPPON, Bull. Brit. Ornith. Cl., **19**, (32).—*G. robinsoni* sp. n. Malay Peninsula, GRANT, Bull. Brit. Ornith. Cl., **19**, (11).

Hypopicus hyperythrus, nesting habits, RATTRAY, Bombay J. Nat. Hist. Soc., **16**, 1905, (659-660).

Tyrnx torquilla in Lewis, HARVIE-BROWN, Ann. Scot. Nat. Hist., **1906**, (185); in the Forth, EVANS, T.c.; habits, UHDE, Ornith. Monatschr., Gera, **31**, (124-125).

Melanerpes formicivorus bairdi, habits, FISHER, Condor, **8**, (107, pl. x); also Amer. Ornith., Worcester, Mass., **6**, (80-82).

Picumnus amazonicus sp. n. Lower Amazonia, SNETHLAGE, Ornith. Monatsber., **14**, (59, 60).—*P. amazonicus* = *P. macconelli*, Sharpe, HELLMAYR, Nov. Zool., **13**, (349), *macconelli* a subspecies of *cirrhatius*, id. l.c.

Picus martius in Westphalia, REEKER, Münster, Jahresber. ProvVer. Wiss., **34**, (38-40).—*P. viridis*, food, ZIMMERMANN, Ornith. Rdsch., Berlin, **2**, (86-87).—*P. oustoni* sp. n. Omami-Oshima Island, OGAWA, Annot. Zool. Jap., **5**, 1905, (203-205, pl. x).

Sphyrapicus varius, Amer. Ornith., Worcester, Mass., **6**, 1906, (38, 39).

Thriponax hodgci eggs, OSMASTON, Bombay, J. Nat. Hist. Soc., **17**, (162).

Veniliornis kirkii continentalis subsp. n., Venezuela, HELLMAYR, Nov. Zool., **13**, (39).

ORDER MENURIFORMES.

Menura victoriae, KITSON, Washington, D.C., Smithsonian Inst., Rep., **1905**, (363-374, pl. x).—*M. superba*, nest figured, LE SOUEF, Emu, **6**, (68, pl. ix).

ORDER PASSERIFORMES.

Étude des espèces critiques et des types de groupe de Passereaux trachéophones de l'Amérique tropicale, appartenant aux collections du Muséum: MÉNÉGAUX et HELLMAYR, Paris, Bul. soc. philom., sér. 9, **8**, (24-58).

CONOPOPHAGIDAE.

Conopophaga ardesiaca saturata subsp. n., Cuzco Peru, BERLEPSCH and STOLZMANN, Ornith., **13**, (119).—*C. roberti* ♀ described, SNETHILAGE, Ornith. Monatsber., **14**, (8).

FORMICARIIDAE.

Cercomacra hypomelaena ScL. = *serra* (ScL.), HELLMAYR, Nov. Zool., **13**, (343, 344).

Chamaea olivacea subsp. described, Cuzco, Pera, BERLEPSCH and STOLZMANN, Ornith., **13**, (118).—*C. turdina chionogaster* subsp. n., Venezuela, HELLMAYR, London, Bull. Brit. Ornith. Cl., **16**, (91).—*C. brevicauda* subsp. n. venezuelana Caracas, MÉNÉGAUX et HELLMAYR, Paris, Bul. soc. philom., **8**, (54, 55).

Dichrozona, cf. *Hypocnemis*.

Dysithamnus subplumbens ScL. and Salv., *Hypocnemis schistacea* ScL., *Heteroenemis leucostigma* (Pelz.) and *H.*

saturata Salvin, referred to *Setateria*; HELLMAYR, Nov. Zool., **13**, (344-347).—*D. affinis andrei* subsp. n., Trinidad, and notes on allies, HELLMAYR, Tc. (31).—*D. fuliginosus* (Lafr. et D'Orb.) = *schistaceus* (D'Orb.), MÉNÉGAUX and HELLMAYR, Paris, Bul. soc. philom., **8**, (28-29).

Formicarius amazonicus Hellmayr = *ruficeps* (Spix), HELLMAYR, Nov. Zool., **13**, (373).

Formicivora rufater (Lafr. et D'Orb.) = *rufa* Wied), MÉNÉGAUX and HELLMAYR, Paris, Bul. soc. philom., **8**, (37).—*F. devillei* sp. n. N.E. Peru, MÉNÉGAUX et HELLMAYR, Paris, Bul. soc. philom., **8**, (38-40).

Grallaria regulus subsp. described from Cuzco, Peru, BERLEPSCH and STOLZMANN, Ornith., **13**, (219).

Gymnophrys bicolor dagnae subsp. n., Dagua River Valley, Colombia, HELLMAYR, Bull. Brit. Ornith. Cl., **16**, (83, 84).

Hypocnemis myiotherina ochrolaema subsp. n., Santarem, Lower Amazonas, HELLMAYR, Tc. (109, 110).—*H. paeilonota* and allies, notes on, HELLMAYR, Tc. (5).—*Hypocnemis vidua* Hellmayr, note, SNETHILAGE, Ornith. Monatsber., **14**, (29); REICHENOW, Tc. (30, nota).—*H. naevioides* subsp. n. capnitis, BANGS, Washington, D.C., Proc. Biol. Soc., **19**, (107).—*H. stellata* ScL. and Salv. = *Dichrozona cincta* (Pelz.), *D. zononota*, Ridgway is identical with *D. cincta*, HELLMAYR, Nov. Zool., **13**, (348, 349).

Myrmeciza longipes albiventris, Chapman = *M. swainsoni* Berl. = *M. longipes* (Swains.), HELLMAYR, Tc. (33).—*M. stictoptera*, Lawrence = *laemosticta* Salvin, HELLMAYR, Tc. (342-343).—*M. cinnamomea* (Gm.) and *M. albicollis* (Vieill.) = *ferruginea* (P.L.S. Muller), MÉNÉGAUX and HELLMAYR, Paris, Bul. soc. philom., **1906**, (36).

Myrmelastes plumbeus, Selater = *M. hyperythrus* (Gould), MÉNÉGAUX and HELLMAYR, Tc. (29).—*M. exul* (ScL.) and allies; *M. immaculata* (ScL. and Salv.) and *intermedia* (Cherrie) = *exul* (ScL.); *M. exul maculifer*, nom. nov. for the form which comes from Western Ecuador, HELLMAYR, Nov. Zool., **13**, (340-342).—*M. corvinus* (Gould): *M. nigerrius*, Selater *M. leuconotus*, Auct. (nec Spix) = *M. melanocephus* (Spix): MÉNÉGAUX and HELLMAYR, Paris, Bul. soc. philom., **8**, (29, 30).—*M. melas*

(Puch.) = *luctuosus* (Licht.); MÉNÉGAUX and HELLMAYR, T.c. (32, 33).—*M. moestus* (Pelz.); *M. camiopiensis* = *melanothorax* (Scl.); MÉNÉGAUX and HELLMAYR, T.c. (32–33).—*M. cryptoleucus* sp. n. Pebas, MÉNÉGAUX et HELLMAYR, (30–32).

Myrmotherula nigrorufa, Boucard = *schisticolor* (Lawr.); MÉNÉGAUX and HELLMAYR, T.c. (50).—*M. pusilla* (Puch. ex Cuv.) = *longipennis*, Pelz.; MÉNÉGAUX and HELLMAYR, T.c. (51).—*M. pusilla* (Puch. ex Cuv.) = *surinamensis* (Gm.); MÉNÉGAUX and HELLMAYR, T.c. (48).—*M. guayanae* Sharpe = *atroglularis* Tacx.; HELLMAYR, Nov. Zool., 13, (349).—*M. ornata hoffmannsi* subsp. n. Santarem, HELLMAYR, Bull. Brit. Ornith. Cl., 16, (84).—*M. hauxwelli hellmayri* subsp. n. Para, SNETHLAGE, Ornith. Monatsber., 14, (8, 9).—*Myrmotherula* vide etiam *Thamnophilus*.

Percnostola funebris (Licht.); *P. caesus* (Puch.) = *P. rufus* (Bodd.); MÉNÉGAUX and HELLMAYR, Paris, Bul. soc. philom., 8, (35).

Phlogopsis paraensis Hellmayr, Note, SNETHLAGE, Ornith. Monatsber., 14, (30, 31).

Pyrglena notodelos (Puch. ex Cuv. Ms.) *P. leucopterus* (Vieill.); MÉNÉGAUX and HELLMAYR, Paris, Bul. soc. philom., 8, (35).

Rhampocænus trinitatis, notes, HELLMAYR, Nov. Zool., 13, (32).

Scclateria schistocæa caurensis subsp. n. Caura River, Venezuela, HELLMAYR, Bull. Brit. Ornith. Cl., 19, (9).

Scclateria albiventris (Pelz.) = *S. argentatus* (De Murs); MÉNÉGAUX and HELLMAYR, Paris, Bul. soc. philom., 8, (35).

Terenura melanoleuca, Pelz. and *Myrmochanes hypoleucus* Allen = *Hypocnemis hemileuca*, Scl. and Salv., HELLMAYR, Nov. Zool., 13, (348).

Thamnomanes caesus hoffmannsi subsp. n. Para, HELLMAYR, Bull. Brit. Ornith. Cl., 16, (53, 54).

Thamnophilus poecilurus (Pucher) = *cristatus* Wied. (26, 27).—*T. ruficeps* (Puch.) = *capistratus* Less. (27), *T. atropileus*, Lafr. et D. Orb. = *torquatus* Swains, (28); MÉNÉGAUX and HELLMAYR, Paris, Bul. soc. philom., 8.—*T. doliatus fralerculus* = *T. doliatus* (30).—*T.*

trinitatis Ridgway = *canadensis* (Linn.) (31).—*T. tristis*, Scl. and Salv. = *polionotus*, Pelz. (338, 339).—*T. maculipennis* Scl. = *Pygiptila stellaris* (Spix) (367).—*T. melanogaster* Spix. = *Myrmotherula axillaris* Vieill. (368, 369), *M. hauxwelli*, is nearly allied to *M. guttata*, Vieill. (369); HELLMAYR, Nov. Zool. 13.—*T. dinellii* sp. n. Tucuman, BERLEPSCH, Bull. Brit. Ornith. Cl., 16, (99).

DENDROCOLAPTIDÆ.

Automolus vide *Philydor*.

Dendrocincela meruloides aphantæ, Oberholser = *meruloides* (Lafr.), HELLMAYR, Nov. Zool., 13, (29).—Key to the species of the genus *Dendrocincela* id. T.c. (337, 338).—*Dendrocolaptes atrirostris*, Lafr. and d'Orb. referred to *Dendrocincela*; *D. minor* Pelz. and *fumigata*, Pelz. = *D. atrirostris*; HELLMAYR, T.c. (336).

Dendroornis consobrinus, Dulmas = *susurrans*, Jard., (29).—*D. nasica albi-squama* = *D. susurrans*, (29–30).—*D. susurrans jardinei* Dalm. is distinct (30); HELLMAYR, T.c.

Leptasthenura vide *Synallaxis*.

Philydor cervicalis, Scl. should stand as *Automolus infuscatus cervicalis* (Scl.); *A. sclateri*, Salv. = *A. cervicalis* (Scl.); HELLMAYR T.c. (335).

Phlæocryptes melanops schaenoboenus from Puno S. Peru, BERLEPSCH and STOLZMAN, Ornith., London 13, (128).

Sclerurus canigularis is distinct from *abligularis*; HELLMAYR, Nov. Zool., 13, (28); *S. carii*, notes on: id. T.c. (29).

Siptornis sordida affinis subsp. n. Tucuman, BERLEPSCH, Bull. Brit. Ornith. Cl. 16, (98).—*S. baeri*, sp. n. Tucuman, id. T.c. (99).

Synallaxis curtata debilis subsp. n. Peru, BERLEPSCH and STOLZMAN, Ornith., London, 13, (115, 116).—*S. frenata* sp. n. Amazons, SNETHLAGE, J. Ornith., 54, (523).—*S. occipitalis* Madarasz = *albigularis* Sclater, (28).—*S. paucalensis* Tacx. and *S. subspeciosa*, Salvad. and Festa = *elegans*, Less., (334).—*S. speciosa*, Salv. is a subspecies of *S. elegans*, Less. (335).—*S. setaria*, Temm. and *S. striolata* Pelz. referred to *Leptasthenura* (332–333): HELLMAYR, Nov. Zool. 13.

Upucerthia bridgesi, Sel. = *andaecola*, Lafr. and d'Orb.; HELLMAYR, T.c. (331).—*U. serrana* is distinct, id. l.c.

Xenicopsis variegaticeps subsp. n. *idoneus*, BANGS, Washington, D.C., Proc. Biol. Soc., 19, (108).

TYRANNIDAE.

Anaeretes sclateri, Oust. referred to *Haplocercus*, (320–321).—*H. hollandi*, Sel. = *H. sclateri*, Oust.—*H. striaticeps*, Salv. is a subspecies of *H. sclateri*.—*Pseudocolopteryx dinellianus*, Lillo is a *Haplocercus*, l.c. HELLMAYR, Nov. Zool. Tring, 13.—*A. flavirostris* subsp. S. Peru, BERLEPSCH and STOLZMAN, Ornith., 13, (69).

Atalotriccus pilaris subsp. n. *venezuelensis*, RIDGWAY, Washington, D.C., Proc. Biol. Soc., 19, (115).

Calopteryx inornatus, Ridgway = *galeatus* (Bodd.), Pará; HELLMAYR, Nov. Zool. 13, (360).

Capsiempis caudata, Salv. referred to *Serpophaga*, (323).—*S. orenocensis*, Berlepsch and Hartert = *S. caudata* (Salv.) l.c.; HELLMAYR T.c.—*Capsiempis* vide etiam *Muscicapa*.

Cnipolegus vide *Knipolegus*.

Coryphotriccus gen. n., RIDGWAY, Washington, D.C., Proc. Biol. Soc., 19, (115).

Elaenia frantzii subsp. n. *stolzmanni*, RIDGWAY, T.c. (116).

Empidonax pusillus trailli in C. Peru, BERLEPSCH and STOLZMAN, Ornith., 13, (90).—*E. difficilis*, BAILEY, Condor, 8, (108).—*E. insulicola* = *E. difficilis*, GRINNELL, Condor, 8, (74).

Haplocercus vide *Anaeretes*.

Heterocercus, Key; HELLMAYR, Nov. Zool., 13, (327).

Knipolegus unicolor, Kaup = *K. cyanirostris* (Vieill.) (318).—*K. sclateri*, nom. nov. pro *unicolor*, Pelz. (nec. Kaup.) (318).—*Muscicapa cristata*, Less. = *K. cyanirostris* (Vieill.) (318).—*Muscisaxicola striaticeps*, Lafr. and d'Orb. referred to *Knipolegus* (318–319).—*K. cinereus*, Sel. = *K. striaticeps* (319); HELLMAYR, T.c.

Leptopogon tristis, Sel. and Salv. = *Phylloscartes ventralis angustirostris* (Lafr. et d'Orb.) (321–322).—*L. god-*

mani, Sel. = *Pogonotriccus ophthalmicus*, Tacx. (322–323); HELLMAYR T.c.

Lophotriccus squamieristatus hypochlorus subsp. n. BERLEPSCH and STOLZMAN, Ornith., 13 (85).

Megarhynchus pitangua, *M. caniceps*, spp. n., RIDGWAY, Washington, D.C., Proc. Biol. Soc., 19, (116).

Mionectes oleagineus pallidiventris subsp. n. Trinidad and Tobago; notes on the genus; HELLMAYR, Nov. Zool., 13, (22).—*M. olivaceus* subsp. n. *venezuelensis*, RIDGWAY, Washington, D.C., Proc. Biol. Soc., 19, (116).

Muscicapa luteocephala Less. referred to *Heterocercus*.—*M. luteocephala*, Lafr. = *Neopelma arifrons* (Wied), (327).—*M. uropygata* Wied. is a subspecies of *Attila brasiliensis*, and comes from S.E. Brazil, (330).—*A. validus* Pelz. = *A. bolivianus* Lafr.: *Lanius univirfus*, Puch. = *A. thamnophiloides* (Spix) (330); id. T.c.—*M. ventralis*, Lafr. and d'Orb. = *Capsiempis flaveola* (Licht.) (322); HELLMAYR, Nov. Zool., 13.—*Muscicapa cristata* vide *Knipolegus*.

Muscisaxicola vide *Knipolegus*.

Myiarchus pelzelni from Itaparica Island, Bahia, notes on, NICOLL, Ibis, 1906, (668).—*M. ferox* subsp. n. *actiosus* RIDGWAY, Washington, D.C., Proc. Biol. Soc., 19, (116).—*Myiarchus tuberculifer* and *nigricaps*, distribution, HELLMAYR, Nov. Zool., 13, (26).—*Myiarchus* vide etiam *Tyrannus*.

Myiobius meivius saturatus subsp. n. Peru, BERLEPSCH and STOLZMAN, Ornith., 13, (88).

Myiotheretes striatocollis pallidus subsp. n. Tucuman, BERLEPSCH, Bull. Brit. Ornith. Cl., 16, (98).

Ochthoeca leucophrys tucumana subsp. n. Tucuman, BERLEPSCH, l.c.

Orchilus vide *Perissotriccus*.

Ornithium pusillum subflavum, validity, HELLMAYR, Nov. Zool., 13, (23).—*Ornithion imberbe*, nests and eggs, THAYER, Auk, 23, (460–461).

Perissotriccus Oberholser = *Orchilus*, HELLMAYR, Nov. Zool., 13, (22).

Pitangus sulphuratus trinitatis subsp. n. Trinidad; notes on allies; HELLMAYR, T.c. (24).

Pogonotriccus ophthalmicus vide *Leptopogon*.

Pseudocolopteryx dinellianus vide *Anaeretes*.

Rhynchocyclus klagesi sp. n., RIDGWAY, Washington, D.C., Proc. Biol. Soc., **19**, (115).

Serpophaga vide *Capsiempsis*.

Todirostrum cinereum subsp. n. *coloreum*, RIDGWAY, Washington, D.C., Proc. Biol. Soc., **19**, (115).

Tyrannulus reguloides panamensis subsp. n. THAYER and BANGS, Cambridge, Mass., Bull. Mus. Comp. Zool. Harvard Coll., **46**.

Tyrannus tuberculifer, Lafr. and d'Orb. referred to *Myiarchus*.—*M. coalei*, Ridgw., *M. tricolor*, Pelz., and *M. gracilirostris*, Pelz.=*tuberculifer* (Lafr. and d'Orb.); HELLMAYR, Nov. Zool., **13**, (323–324).

PIPRIDÆ.

Chiromachaeris manacus purus, note on; HELLMAYR, T.c. (27).

Corapipo leucorhoa altera subsp. n. Costa Rica to Chiriqui, HELLMAYR, Bull. Brit. Ornith. Cl., **16**, (84, 85).

Neopelma vide *Muscicapa*.

Pipra; Revision of the species. HELLMAYR, Ibis, **1906**, (1–46 pl. i).—*P. gutturalis* and *leucorhoa* referred to *corapipo* (1).—*P. dubia* Madar.=*aureola* L. (6).—*P. fasciicauda*, nom. n. pro *P. fasciata*, Lafr. and d'Orb. (nec Thunb.), (9).—*P. exquisita* figured (pl. i), *P. stolzmanni* sp. n., Upper Amazonia (44).

P. erythrocephala berlepschi, *P. pipra bahia*, *P. pipra anthracina* subspp. n.; RIDGWAY, Washington, D.C., Proc. Biol. Soc., **19**.

Scotothorus olivaceus, furvus, RIDGWAY, T.c. spp. n.

Xenopipo subalaris Godm.=*Chloropipo unicolor* Tacz.—*C. holochlora litae* subsp. n. Lita. N. Ecuador, (325); Key of *Chloropipo*, (326); HELLMAYR, Nov. Zool., **13**.

COTINGIDÆ.

Attila tephrocephala sp. n. *A. citreopyga salvini*, and *A. citreopyga luteola* subsp. n. RIDGWAY, Washington, D.C., Proc. Biol. Soc., **19**, (118, 119).—*A. wighti* sp. n. CHERRIE, Brooklyn, N.Y., Mus. Inst. Arts. Sci., Bull., **1**.—*Attila* vide etiam *Muscicapa* in *Tyrannidae*.

Dasycephala uropygialis? = *Attila spadicea* (Gm.); HELLMAYR, Nov. Zool., **13** (330).

Laniocera hypopyrra from Para; id. T.c. (364).

Lathria unirufa clara, *L. fuscocinerea guayaquilensis*, subspp. n. RIDGWAY, Washington, D.C., Proc. Biol. Soc., **19**, (120).

Pachyrhamphus cinereiventris = *P. niger*, HELLMAYR, Nov. Zool., **13**, (27–28).

Ptatyptaris aglaiae subsp. n. *yocatanensis*, RIDGWAY, Washington, D.C., Proc. Biol. Soc., **19**, (120).

Psaris erythrogenys Selby should stand as *Tityra inquisitor erythrogenys* (Selby); HELLMAYR, Nov. Zool., **13**, (327–328).

Tityra semifasciata, columbiana and *costaricensis* subspp. n. RIDGWAY, Washington, D.C., Proc. Biol. Soc., **19**, (119).

HIRUNDINIDÆ.

Note sur les Hirondelles; VAN KEMPEN, Paris, Bul. soc. zool., **27**, 1902, (206).

Schwalbenbrut bei Berlin im December; Fucus, Wild u. Hund, Berlin, **12**, 1906, (796).

Eigenartiger Schwalbenzug in der Umgebung von Lübeck; HAGEN, Ornith. Monatsber., **14**, (151–153).

Wie die Schwalben ziehen; RIEGLER, Wild u. Hund, Berlin, **12**, (636–637).

Unsere Schwalben; WEMER, Münster Jahresber. ProvVer. Wiss., **34**, (101–112).

Späte Bruten von Schwalben; WEMER, Zool. Beob., Frankfurt-a-M., **47**, (58–59).

Chelidon urbana, lateness of breeding; GYNGELL, Zoologist, **10**, (28, 29).—*C. dasypus* in Java; BARTELS, J. Ornith. **54**, (497).

Cotile riparia, eggs and wasps; MACKEITH, Ann. Scot. Nat. Hist., **1906**, (118).

Hirundo riparia, WEMER, Umschau, Frankfurt-a-M., **10**, (90), and NatCab., Grünberg, **1906**, (132–133).—*H. rustica*, migration at Torcross, Devonshire. YERBURY, Bull. Brit. Ornith. Cl., **16**, (96, 97); in Bayern; GALLENKAMP, München, Verh. ornith. Ges., **6**, (41–100, mit Taf.); bei Bamberg; RIES, (100–106).—

H. neoxena, nesting habits, female walled in on nest by other Swallows, FLETCHER, *Emu*, **6**, (18, 19).—*H. rufula*, occurrence at Fair Isle: CLARKE, *Ann. Scot. Nat. Hist.*, **1906**, (205-207), and *Bull. Brit. Ornith. Cl.*, **19**, (18).—*H. nepalensis*, nesting habits, RATRAY, *Bombay, J. Nat. Hist. Soc.*, **16**, 1905, (659); nests and eggs, LA TOUCHE, *Ibis*, **1906**, (638, 639).—*H. christyi* sp. n. Uganda. SHARPE, *Bull. Brit. Ornith. Cl.*, **16**, (80).

Petrochelidon lunifrons, HALES, *Bird Lore*, Harrisburg, Pa., **6**, 1904, (67).

Ptyonoprogne rupestris, nesting habits, RATRAY, *Bombay, J. Nat. Hist. Soc.*, **16**, 1905, (659).

Stelgidopteryx ruficollis and allies; HELLMAYR, *Nov. Zool.*, **13**, (13).

MUSCICAPIDÆ.

On the correct name of the Pied Flycatcher; HARTERT, *Ibis*, **1906**, (571-573).

Abromis (Hodgs.) Oates; Uebersicht und Verbreitung der Formen, BIANCHI, *St. Petersburg, Bull. Ac. Sc.*, **23**, (49-65).

Alseonax subadusta from S.E. Rhodesia, SCLATER, P. L., *Bull. Brit. Ornith. Cl.*, **19**, (31).—*A. griseigularis* sp. n. Toro and Uganda, JACKSON, *T.c.* (19, 20).—*A. melanopectera* sp. n. Toro Equatorial Africa, JACKSON, *T.c.* (89).

Batis diops has the sexes alike in colour, SHARPE, *Ibis*, **1906**, (535).

Bias femina sp. n. Toro Equatorial Africa, JACKSON, *Bull. Brit. Ornith. Cl.*, **16**, (87).

Butolis grisola, time of incubation; RASPAIL, *Paris, Bul. soc. zool.*, **28**, (186-188).

Chloropeta storeyi sp. n. Chedaro E. Africa.—*C. umbrineiceps* Neum. = *C. massaica* F. and R.; GRANT, *Bull. Brit. Ornith. Cl.*, **19**, (32).—*C. graeilirostris* sp. n. S.E. Ruwenzori, id. *T.c.* (33).

Cryptolopha Swainson, Uebersicht und Verbreitung der Formen, BIANCHI, *St. Petersburg, Bull. Ac. Sc.*, **23**, (49-65).—*C. ajinis*, *C. castaneiceps* and *C. cantator*, nests and eggs, STUART BAKER, *Ibis*, **1906**, (261-263).—*C. alpina* sp. n. E. Ruwenzori Mts. Equatorial Africa, GRANT, *Bull. Brit. Ornith. Cl.*, **16**, (117).

Cyornis cyaneus, *C. melanoleucus* and *C. sapphira*, eggs, STUART BAKER, *Ibis*, **1906**, (271-275).—*C. paraguayae* nom. n. pro *Siphia erithacus* Sharpe (nec Blyth), MCGREGOR, *Condor*, **8**, (29).

Dioptrornis brunnea in Northern Angola, HARTERT, *Bull. Brit. Ornith. Cl.*, **16**, (46).

Gerygone kisserensis Finsch = *fulvescens* Meyer; HARTERT, *Nov. Zool.*, **13**, (297).

Hypothymis tytlerei, eggs of, OSMASTON, *Bombay, J. Nat. Hist. Soc.*, **17**, (159).

Muscicapa, *Hemichelidon*, *Hedymela*, *Siphia*, *Zanthopygia*, and *Arizelomyia* are not generically distinct; HARTERT, *Nov. Zool.*, **13**, (388). *Muscicapa* vide etiam *Tyramidae*.

Muscicapa atricapilla in Surrey; EASTWOOD, *Zoologist*, **10**, (313).—*M. parva* at Cairo in November, NICOLI, *Bull. Brit. Ornith. Cl.*, **19**, (31).—*M. collaris* in Toro Equatorial Africa, in February and March, JACKSON, *Ibis*, **1906**, (533, 534).—*M. grisola* must be called *M. ficedula*, Linn. 1758, LÖNNBERG, *J. Ornith.*, **1906**, (529).—*M. atricapilla*, not to be called *Ficedula ficedula*, HARTERT, *Ibis*, **1906**, (571-573).

Muscicapula hyperythra audacis subsp. n. Island of Babber; HARTERT, *Nov. Zool.*, **13**, (296-297).—*M. malayana* sp. n. Malay Peninsula, GRANT, *London, Bull. Brit. Ornith. Cl.*, **19**, (10, 11).

Petræa phænicea, migration from Australia to Tasmania, MACDONALD, *Emu*, **5**, (216).

Petræa leggii var. on. Kangaroo Island, CAMPBELL, *T.c.* (141).—*P. vittata* and *leggei*, nesting habits, FLETCHER, *op. cit.*, **6**, (18, 19).—*P. goodenovi* near Longreach, Queensland, FORD, *op. cit.*, **5**, (158).

Poliophtila lactea Sharpe is valid; HELLMAYR, *Nov. Zool.*, **13**, (316-317).

Pseudogerygone brunneipectus, nest and eggs, CAMPBELL, *Emu*, **5**, (195, 196).

Rhinomyias goodfellowi, figured, GRANT, *Ibis*, **1906**, (482, pl. xviii, fig. 2).

Rhipidura nigrocinnamomea, figured; HARTERT, *Nov. Zool.*, **13**, (pl. ii, fig. 1).

Rhipidura reichenowi Finsch is a subspecies of *elegantula*; HARTERT, *T.c.* (297, 298).

Siphia vordermani = *Digenea* (i.e. *Erythromyias*) *dumetoria*, BARTELS, J. Ornith., **54**, (393).

Terpsiphone illex Bangs is a subspecies = *T. princeps illex*; HARTERT, Nov. Zool., **13**, (388–389).—*T. lindsayi* sp. n. Mayotte Isl., NICOLL, Bull. Brit. Ornith. Cl., **16**, (104); Ibis, **1906**, (678).

Tickellia Jerd. and Blyth, Uebersicht und Verbreitung der Arten, BIANCHI, St. Petersburg, Bull. Ac. Sc., **23**, (49–65).

Trochocercus toroensis sp. n. Equatorial Africa, JACKSON, Bull. Brit. Ornith. Cl., **19**, (20).

Xanthopygia affinis sp. n. Formosa, GRANT, op. cit. **16**, (118).—*X. tricolor*, nests and eggs, LA TOUCHE, Ibis, **1906**, (622–624).

CAMPOPHAGIDAE.

Pericrocotus peregrinus, eggs, OSMASTON, Bombay, J. Nat. Hist. Soc., **17**, (157).—*P. albifrons*, nest and eggs, STUART BAKER, Ibis, **1906**, (266, 267).—*P. johnstoniae* figured, GRANT, T.c. (pl. xix).

PYCNONOTIDAE.

Ixocincla madagascariensis from Mayotte Isl., NICOLL, Ibis, **1906**, (679).

Pycnonotus, characters and distribution of the African forms; HARTERT, Nov. Zool., **13**, (389–392), and REICHENOW, T.c. (762).—*P. barbatus* and its allies, NEUMANN, J. Ornith., **54**, (241).

Spizixus semitorques, nesting at Chinkiang Lower Yungtze, LA TOUCHE, Ibis, **1906**, (440, 441).

Selgidillas hypochloris sp. n. Toro Equatorial Africa, JACKSON, Bull. Brit. Ornith. Cl., **19**, (20).

TIMELIIDAE.

Actinodura morrisoniana sp. n. Formosa, GRANT, Bull. Brit. Ornith. Cl., **16**, (119–120).

Alcippe; Notes on the African species, SHARPE, Ibis, **1906**, (541, 542).—*A. pyrrhoptera* from Java, synonymy, FINSCH, O., J. Ornith., **54**, (403).—*A. obscurior* sp. n. Formosa, GRANT, London, Bull. Brit. Ornith. Cl., **16**, (121), but *Schœniparus brunneus* (GOULD),

id. op. cit. **19**, (14); the latter distinct from *S. superciliaris* (David) from Accria, id. T.c. (14).—*Alcippe kilimensis* = *A. abyssinica*, NEUMANN, J. Ornith., **54**, (281).

Argya longirostris, nests and eggs, STUART BAKER, Ibis, **1906**, (92, 93).

Babax David; dessen Formen und ihre Verbreitung, BIANCHI, St. Petersburg, Bull. Ac. Sc., **23**, (41–48).—*B. waddelli* Dresser, vide Kasnakowia.—Eggs, DRESSER Ibis, **1906**, (339).

Bathmedonia fuscipennis (Sharpe) = *B. rufa* (Reichenow) B. juv., notes on B. JACKSONI; SHARPE, T.c. (542).

Brachypteryx wrayi sp. n. Malay Peninsula, GRANT, London, Bull. Brit. Ornith. Cl., **19**, (10).

Crateropus plebeius kikuyuensis, subsp. n. Equat. Africa, NEUMANN Ornith. Monatsber. Berlin, **14**, (7).—*Crateropus*; further notes on, id. T.c. (144–149); *C. cordofanicus*, Butler = *plebeius* (Rüpp.) (144); notes on *C. hypostictus emini affinis platycircus* etc. (144–147); *C. plebeius permistus* sp. n. ? Senegal (146, 147); key to the species of *Crateropus* (149).—*Drymocapthus assamensis*, nests and eggs, STUART BAKER, Ibis, **1906**, (98–100).

Dryonastes vassali sp. n. Int. of Annam, GRANT, London, Bull. Brit. Ornith. Cl., **19**, (13).

Gampsorhynchus rufulus, nests and eggs, STUART BAKER, Ibis, **1906**, (96, 97).

Ianthocincla victoriae sp. n. S. Chin Hills Burma, RIPPON, London, Bull. Brit. Ornith. Cl., **16**, (47).

Itaphidia rufigenis, nest and eggs, STUART BAKER, Ibis, **1906**, (110, 111).

Kasnakowia gen. n. *kozlovi* sp. n. und *Babax waddelli* Dresser, BIANCHI, St. Petersburg, Bull. Ac. Sc., **23**, (41–48).

Micornis erythroptera, note on, FINSCH, J. Ornith., **54**, (403).

Pomatorhinus; difference in nests of Indian and Australian species, CAMPBELL, Emu, **6**, (27).

Proparus formosanus sp. n. Mt. Morrison, GRANT, London Bull. Brit. Ornith. Cl., **16**, (120, 121).

Pseudotharrhaleus griseipectus Mearns = *P. unicolor* Hartert; GRANT Ibis, **1906**, (479).

Pseudoxenicus (olim *oligura*) referred *Xeniscidae*; BARTELS, J. Ornith., 54, (501).

Psophodes crepitans, nest, eggs and young, MATTINGLEY, Emu, 5, (192-195, pls. xv, xvi).

Rimator malacoptilus, nest and eggs, STUART BAKER, Ibis, 1906, (104-106).

Schoeniparus rufigularis, nest and eggs id., T.c. (102-104).

Sphenaeacus punctatus, nesting-habits, notes on allied species, McLEANE, Emu, 6, (1-7, pls. i-iv).

Thringorhina oglei, nests and eggs, STUART BAKER, Ibis, 1906, (100, 101).

Trochaloxypterus morrisonianum sp. n. Formosa, GRANT, London, Bull. Brit. Ornith. Cl., 16, (120).—*T. yunnanense*, sp. n. Yangtze River W. Yun-nan, RIPPON, op. cit. 19, (32).

Turdinus stictigula sp. n. Usambara REICHENOW, Ornith. Monatsber. Berlin, 14, (10).—*Turdinus atriceps* referred to *Alcippe*, near *T. abyssinicus*, SHARPE, Ibis, 1906, (541, 542).—*Turdinus barakae*, sp. n. Toro Equatorial Africa, JACKSON, London, Bull. Brit. Ornith. Cl., 16, (90).

Yuhina brunneiceps sp. n. Formosa, GRANT, London, Bull. Brit. Ornith. Cl., 16, (121, 122).

PARADOXORNITHIDAE.

Panurus should be placed with the *Paradoxornithinae*, HARTERT, Nov. Zool., 13, (387).

Paradoxornis heudei near *Chin-kiang*, LA TOUCHE, Ibis, 1906, (438).

Suthora morrisoniana sp. n. Formosa, GRANT, London, Bull. Brit. Ornith. Cl., 16, (119).—*S. nebbiana* near *Chin-kiang*, LA TOUCHE, Ibis, 1906, (437, 438).

TROGLODYTIDAE.

Anorthura Rennie, = *Nannus* Billberg, LONNBERG, J. Ornith., 54, (532).—*A. tarbagataica* sp. n. Central Asia, SUSHKIN, London, Bull. Brit. Ornith. Cl., 16, (57, 58).

Heleodytes simonsi sp. n. Peru, CHUBB, op. cit. 19, (34).

Heterocnemis bicolor Des Murs = *Microcerculus marginatus* (Scl.); HELLMAYR, Nov. Zool., 13, (354); first record from Para id. l.c. *M. marginatus occidentalis* subsp. n. N. W. Ecuador, id. T.c. (354, 355).

Orthocichla subulata advena subsp. n. Island of Babber; HARTERT, T.c. (298, 299).

Thryorchilus ridgwayi sp. n. BANGS, Washington, D.C., Proc. Biol. Soc., 19, (108).

Troglodytes parvulus, nesting habits, ELMS, Zoologist, 10, (27, 28); notes on a var., WHISTLER, T.c. (391, 392).

CINOLIDAE.

Cinclus; Arten aus dem Geb. Semipalatinsk, BUTURLIN. Prov. i ružejn. ochota, Moskva, 12, (318).—*C. cinclus*, fischwirtschaftliche Bedeutung, VOLLHOFER, Erd. kis., Selmeczbánya, 8, (1-81); *C. cinclus persicus* subsp. n. S. W. Persia, WITHERBY, London, Bull. Brit. Ornith. Cl., 16, (71, 72).—*C. rufiventris* from the Caucasus. BUTURLIN, Ibis, 1906, (414, 415).

MIMIDAE.

Mimus polyglottos leucopterus, habits, EMERSON, Condor, 8, (51, 52) and RICHARDSON, T.c. (56).

TURDIDAE.

Amsel und Singdrossel in den Städten. KILLERMANN, Natw. Wochenschr., 21, (321-325).

Die Kramtsvogelfrage. SCHINZINGER, Monatshefte Jagdschutzver., 11, (330-338, 348-359).

Accentor talifuensis sp. n. W. Yun-nan, RIPPON, London, Bull. Brit. Ornith. Cl., 19, (19).

Alethe woosnami sp. n. N.W. Ruwenzori Mts. GRANT, T.c. (24, 25).—*A. carruthersi* sp. n. Entebbe to W. Ruwenzori. T.c. (25).

Callene aequatorialis sp. n. Lumbwa Equatorial Africa, JACKSON, op. cit. 16, (46, 47).

Cittocinclla albiventris, eggs, OSMASTON, Bombay, J. Nat. Hist. Soc., 17, (160).

Cossypha semirufa saturator subsp. n. Lakes of S. Ethiopia and Orno Region, NEUMANN, Ornith. Monatsber.,

14, (87); also Remarks on, id. J. Ornith., 54, (283).—*U. bicolor*, eggs, HAAGNER, London, Bull. Brit. Ornith. Cl., 19, (23).

Ephthianura tricolor near Longreach, Queensland, FORD, Emu, 5, (158).

Erithacus rubecula microrhynchus von Maderia. REICHENOW, J. Ornith., 54, (153).—*Erythacus seymnertoni* sp. n. Gaza Land, SHELLEY, London, Bull. Brit. Ornith. Cl., 16, (125).

Erythropygia hamertoni sp. n. Somali Land, GRANT, op. cit. 19, (24).

Cyanecula suecica on Fair Island: CLARKE, Ann. Scot. Nat. Hist., 1906, (21), and CLARKE and KINNEAR, T.c. (327); in Egypt, LOAT, Ibis, 1906, (115, 116).—*C. suecica*, KULLMANN, Gefied. Welt, Magdeburg, 35, (183); Bemerkung dazu v. Josef Wagner, T.c. (200).

Geocichla andromeda from Mt. Apo Mindanao, GRANT, Ibis, 1906, (477, 478).—*G. lunulata* on Kangaroo Island. CAMPBELL, Emu, 5, (141).—*G. andamanensis*, eggs, OSMASTON, Bombay, Nat. Hist. Soc., 17, (160).

Ianthia johnstoniae sp. n. Formosa, GRANT, London, Bull. Brit. Ornith. Cl. 16, (118, 119).

Merula vulgaris, Aufzucht und Pflege, KLEMENZ, Psov. i ružejn. ochota, Moskva, 12, (146, 147, 162, 163).—*Merula merula*, laying twice in the same nest, RALFE, Zoologist, 10, (390).—*M. relictæ* sp. n. Semirëčje-Gebiet, ZARUDNY and KOREIEV, Mat. faun. flor. Ross., Zool., 7, (146-247).—*M. barakæ* probably = *M. abyssinica*; *M. johnstoni* sp. n. Entebbe, SHARPE, Ibis, 1906, (543).—*M. ruficollis atrigularis* im Semirëčje-Gebiet, ZARUDNY u. KOREIEV, Mat. faun. flor. Ross., Zool., 7, (146-247).—*M. bouboul*, breeding in confinement, BUTLER, Avicult. Mag. Brighton, 2, 4, (312-314).—*M. castanea*, nest. RATTRAY, Bombay, J. Nat. Hist. Soc. 16, 1905, (657).—*M. celaeenops yakushimensis* subsp. n. Yakushima, OGAWA, Annot. Zool., Jap., 5, (1905) (180-182).

Monticola cyana, breeding in Belgium, record untrustworthy. Du Bois, Ornith. London, 13, (135).—*M. explorator*, eggs. HAAGNER, London, Bull. Brit. Ornith. Cl., 19, (23).

Neocossyphus praepectoralis sp. n. Equatorial Africa, JACKSON, op. cit. 16, (90).

Oreocincla dauma, nesting, RATTRAY, Bombay J. Nat. Hist. Soc., 16, 1905, (657).

Oreicola jerdoni, nest and eggs described, STUART BAKER, Ibis, 1906, (280-283).

Pentholaea albifrons pachyrhyncha subsp. n. NEUMANN, Ornith. Monatsber., 14, (6-8) and J. Ornith., 54, (289).—*P. macmillani* sp. n. Omo River, N.E. Africa, SHARPE, London, Bull. Brit. Ornith. Cl., 16, (126).

Petrophila erythrogastra, nesting habits, RATTRAY, Bombay, J. Nat. Hist. Soc., 16, 1905, (657).

Pinarochroa; List of species. NEUMANN, J. Ornith., 54, (291-293).—*P. sordida djamdjamensis* subsp. n. S. Ethiopia. id. Cl. (291).

Pratincola; notes on *P. maura* in N. E. Africa and other African species, NEUMANN, T.c. (295-297).—*P. maura* nesting in the Caucasus, BUTURLIN, Ibis, 1906, (415, 416).—*P. rubetra*, in Herts, WESTELL, Zoologist, 10, (31).—*P. variegata* (Gm.) distinct from *P. maura*; *P. hemprichii*, notes on, KLEINSCHMIDT, J. Ornith., 54, (526, 527).

Ruticilla phoenicurus bonapartii. Remarks on, NEUMANN, T.c. (294).—*Ruticilla titys*, in Orkney; COWAN, Ann. Scot. Nat. Hist., 1906, (51).

Saxicola oenanthe leucorrhoea (Gm.) auf den ostfriesischen Inseln, LEEGE, Ornith. Monatsber., 14, (4, 5); PARROT, T.c. (62).—*S.*, at Pentland Skerries, CLARKE, Ann. Scot. Nat. Hist., 1906, (138, 139).—*S. stapazina* in Kent, TICEHURST, London, Bull. Brit. Ornith. Cl., 19, (124, 125).—*S. borealis*, Phaenologie, HERMAN, Aquila, 13, (i-x).

Tarsiger johnstoni montanus subsp. n. Usambara, REICHENOW, Ornith. Monatsber., Berlin, 14, (172).—*T. ruwenzorii* sp. n. E. Ruwenzori, GRANT, London, Bull. Brit. Ornith. Cl., 19, (33).

Thammodaea claudi from Pettia, E. Soudan. ALEXANDER, op. cit. 16, (124).

Turdus gurneyi and allies, NEUMANN, J. Ornith., 54, (286, 287).—*T. pilaris* at Cairo in November, NICOLL, London, Bull. Brit. Ornith. Cl., 19, (31).—*T. dubius* in Nottinghamshire, MUSTERS,

op. cit. **16**, (45).—*T. fuscata ockendeni* subsp. n. S.E. Peru, HELLMAYR, T.c. (91); *T. fuscater* and its allies, id. T.c. (92).—*T. musicus*, Aufzucht und Pflege, KLEMMENZ, Psov. i ruzejn. ochota, Moskva, **12**, (146, 147, 162, 163).—*T. obscurus* in Toscana, ARRIGHI (GRIFOLI, Boll. Soc. zool. ital., Ser. 2, **6**, (83, 84).—*T. obscurus, sibiricus, atrigularis, varius, migratorius*, in Belgium, DUBOIS, Ornith., **13**, (131, 135).—*T. merula*, laying twice in same nest, WORKMAN, Zoologist, **10**, (235), MORRIS, T.c. (274, 275), APLIN, T.c. (312), STEELE-ELLIOTT, T.c.—frühzeitig, HENNICKE, Ornith. Monatschr., Gera, **31**, (124); SNOUOKAERT VAN SCHAUURG, Ornith. Monatsber., **14**, (62); HORNING, Zool. Beob., Frankfurt a. M., **47**, (176-178); KNAUER, Umschau, Frankfurt a. M., **10**, (966-969); Albino, SALZMANN, Ornith. Monatschr., Gera, **31**, (85), and HEMERY, Nantes, Bul. soc. sci. nat., **6**, 1906, (vii-viii).

SYLVIIDAE.

Sylviidae of Solway, SERVICE, Glasgow, Trans. Nat. Hist. Soc., Ser. 2, **7**, (137-147).

Aus dem Leben unserer (Irasinücken, HOOKE, Gefied. Welt, **35**, (281, 282, 289, 290).

Acanthiza zietzi sp. n. Kangaroo Island, NORTH, Emu, **6**, (78).—*A. halma-turina* sp. n. Kangaroo Island, CAMPBELL, op. cit. **5**, (141, 142); nest and eggs, (196).

Acanthornis magna, habits, BUTLER, T.c. (156, 157).

Acrocephalus palustris, a breeding record, FOWLER, Zoologist, **10**, (401-409).—*A. streperus*, at Fair Isle; CLARKE and KINNAER, Ann. Scot. Nat. Hist., **1906**, (236).—*A. bostrigiceps* and *agricola* in China, notes on, LA TOUCHE, Ibis, **1906**, (444-445).—*A.*, WEMER, Münster, Jahresber. ProvVer. Wiss., **34**, (90-101).

Amytornis woodwardi, adult male figured; HARTERT, Nov. Zool., **13**, (pl. i., fig. 1).

Apalis flavida malensis subsp. n. Male Land, S. Ethiopia, NEUMANN, J. Ornith., Leipzig, **54**, (278).—*A. chirindensis* sp. n. Chirinda Forest, SHELLEY, London, Bull. Brit. Ornith. Cl., **16**, (126).—*A. affinis* sp. n. Ruwenzori Mts., GRANT, T.c. (116, 117).

Bradypterus barakae, nom. n. pro *B. rufescens* (Sharpe 1902, nec Sharpe 1876), SHARPE, Ibis, **1906**, (546).

Calamocichla ansorgei sp. n. N. Angola, HARTERT, London, Bull. Brit. Ornith. Cl., **16**, (52, 53).

Calamodus aquaticus, aus dem Gouv. Pensa, BUTURLIN, Psov. i ruzejn. ochota, Moskva, **12**, (318).

Cettia minuta (Sw.) is the female of *C. canturiens* (Sw.), nests and eggs described, LA TOUCHE, Ibis, **1906**, (447-450).

Cisticola robusta and its allies, notes, NEUMANN, J. Ornith., Leipzig, **54**, (264-266).—*C. r. schroderi*, subsp. n. N. Abyssinia, id. T.c. (265).—*C. natalensis inexpectata* subsp. n. Shoa and S. Ethiopia, id. T.c. (268, 269); Cf. REICHENOW, T.c. (322).—*C. blanfordi sobatensis* = *C. lugubris blanfordi*, id. T.c. (270).—*C. lugubris* and its allies, id. T.c. (270-274).—*C. lugubris suahelica* subsp. n. German E. Africa, id. T.c. (272).—*C. calamoherde* = *C. hypoxantha*, id. T.c. (276); Distinct, REICHENOW, T.c. (276).—*C. schillingsi* = *C. fischeri*, NEUMANN, T.c. (208); is distinct, REICHENOW, T.c. (322).—*C. hypoxantha* probably = *C. rufa*, REICHENOW, T.c. (322).—*C. ansorgei* sp. n. Benguela, NEUMANN, London, Bull. Brit. Ornith. Cl., **16**, (114, 115).—*C. heterophrys* sp. n., OBERHOLSER, Pittsburg, Pa., Ann. Carnegie Mus., **3**, (496).—*C. harri-soni* sp. n., STONE, Philadelphia, Pa., Proc. Acad. Nat. Sci., **57**, (771).

Euprinodes nigrescens sp. n. Equatorial Africa, JACKSON, London, Bull. Brit. Ornith. Cl., **16**, (90).

Locustella naevia, occurrence in Midlothian; WHYTE, Zoologist, **10**, (468).—*L. lanceolata, certhiola*, and *fasciolata*, near Chinkiang, LA TOUCHE, Ibis, **1906**, (442, 443).—*L. lanceolata* in Java, BARTELS, J. Ornith., Leipzig, **54**, (519).

Luscinia, nomenclatorial, OBERHOLSER, Auk, **23**, (228-229); Klarstellung des Sprosser-Wirrwarr, RAUSCH, Gefied. Welt, **35**, (290-292, 298-300, 306-307, 314-315).—*L. luscinia*, SCHUSTER, Zool. Beob., **47**, (276-279).

Malurus; notes on the moulting, CAMPBELL, Emu, **5**, (152-155).—*M. cyaneus*, breeding in captivity; PHILLIPPS,

R. Avicult. Mag., Brighton, Ser. 2, 4, (228-235).

Motacilla hippolais Linn. 1758 is the type of Schäffer's genus *Ficedula*, LÖNNBERG, J. Ornith., 54, (530).

(*Oreoscopus* gen. n. (for *Sericornis gutturalis*, De Vis), NORTH, Agric. Gaz., Sydney, N.S.W., 16, (247-250).

Phylloscopus rufus, date of singing, GYNGELL, Zoologist, 10, (35); occurrence in Northumberland in December, CHARLTON, T.c. (27).—*P. rufus* and *P. trochilus*, migration in Ireland, WILLIAMS, Irish Nat., 15, (194).—*P. superciliosus*, on Fair island, CLARKE, Ann. Scot. Nat. Hist., 1906, (21, 237).—*P. trochilus*, nesting habits, ELMS, Zoologist, 10, (27-28).—*P. tristis* from Suliskerry, W. of Orkney, CLARKE, London, Bull. Brit. Ornith. Cl., 16, (18).—*P. viridanus*, THIENEMANN, Ornith. Monatsber., 14, (89-90).—*P. bonellii*, GENGELER, Zool. Beob., Frankfurt a. M., 47, (273-275); BAU, Zs. Oologie, 16, (65-68).

Sylvia atricapilla, LÜDERS, Gefied. Welt, 35, (315-316, 324-325); on the mimical song, JOY, Zoologist, 10, (108, 109); in West Ross-shire, FOWLER, Ann. Scot. Nat. Hist., 1906, (51).—*S. curruca*, von Ustü-Kamenogorsk, BUTURLIN, Prov. i. ružejn. ochota, Moskva, 12, (318).—*S. nisoria* near Leipzig, VOIGT, Ornith. Monatsber., 14, (174-175).

Sylvia major different from *S. jacksoni*, id. T.c., (286).—*S. micrura* and *S. leucopsis*, notes on, REICHENOW, (322, 323).—*S. denti* sp. n. Ruwenzori Mts., GRANT, W. R. O., London, Bull. Brit. Ornith. Cl., 19, (25).

Sylvietta brachynra subsp. n. nilotica, NEUMANN, J. Ornith., 54, (279).

Sphenura broadbenti, nesting, BELCHER, Geelong Nat., 1906, Cf. Emu, 6, (26).

Stipiturus, notes on the three species known; sp. n. from the Mallee; Emu, 6, (38).

VIREONIDÆ.

Curruca olivacea, Less. = *Vireo chiri* (Vieill.), HELLMAYR, Nov. Zool., 13, (317).

Cyclorhis flavipectus canticus Bangs is inseparable from *flavipectus*, Scl., id. T.c. (10).

Pachysylvia aurantiifrons saturata nom. nov., review of allied species, id. T.c. (12).

Vireo gilvus swainsoni and *V. solitarius cassini*, habits, HEAD, Condor, 8, (149-150).—*V. olivaceus*, habits, HERRICK, Bird Lore, Harrisburg, Pa., 6, 1904, (113-116).—*V. huttoni oberholseri*, notes on, GRINNELL, Condor, 8, 1906, (148-149).—*V. chivi*? a subspecies, HELLMAYR, Nov. Zool., 13, (11).

ARTAMIDÆ.

Artamus phæus, gracilis, florencise, spp. n. Northern Territory of South Australia, INGRAM, London, Bull. Brit. Ornith. Cl., 16, (115-116).—*A. leucogaster*, eggs, OSMASTON, Bombay, J. Nat. Hist. Sec., 17, (157).

PRIONOPIDÆ.

Colluricincla woodwardii, male figured, HARTERT, Nov. Zool., 13, (pl. i, fig. 2).

Grallina picata on Luang island, id. T.c. (304).

LANIIDÆ.

Cracticus quoyi and *rufescens*, moulting, CORNWALL, Emu, 6 (83), Le Souef, l.c.—*C. leucopterus*, NORTH. Zool. Anz., 30, (861-862).

Dryoscopus albobagatus sp. n. Doinyo Narok Mt. E. Africa, JACKSON London, Bull. Brit. Ornith. Cl., 16, (90).—*D. holomelas* sp. n. Mt. Ruwen zori. id. T.c. (90).

Enneoctonus colluris kobylini subsp. n. Caucasus, BUTURLIN, Ibis, 1906, (416).

Eopsaltria australis as a snake-finder, BRAY, Emu, 5, (217).

Gymnorhina tibicen longirostris Milligan, priority; HARTERT, Nov. Zool., 13, (755).—*G. leuconota*, song, MADDEN, Emu, 5, (205, 206).

Hyloterpe apoensis from Samar, Leyte, Dinagat, Basilan, and Mindanao, GRANT, Ibis, 1906, (475, 476).

Lanius, notes on many species. SCHIEBEL, J. Ornith., 54, (1-77, Taf. A-N.).—*L. cristatus* (Taf. B, fig. 1), *darwini*, *L. c. superciliosus* (Taf. B, figs. 2-4), *L. phaenicuroides romanovi* (fig. 5), *L. p. karelini*, *isabellinus* (Taf. B, fig. 6), *L. lucionensis* (Taf. F, fig. 4),

tigrinus (Taf. C, fig. 1), *collurio* (Taf. F, figs. 5-6, Taf. C, fig. 2), *gubernater vittatus* (Taf. F, fig. 7), *hypoleucus, bucephalus* (Taf. C, fig. 4 and Taf. D, fig. 1), *excubitor (borealis)* (Taf. D, figs. 2, 3), *L. e. (major)*, *L. e. (excubitor)*, *L. e. homeyeri*, *L. e. (leucopterus)*, *L. meridionalis meridionalis*, *L. m. algeriensis*, *L. m. uncinatus*, *L. m. dodsoni*, *L. m. koenigi*, *L. m. (elegans)*, *L. m. assimilis*, *L. m. fallax*, *L. sphenocercus, giganteus, libberti, ludovicianus* (Taf. D, fig. 4), and allies; remarks on all these species and allied forms. SCHIEBEL, J. Ornith., 1906, (1-77, pls. A-H).—*L. tephronotus* (Taf. E, fig. 1), *L. schaecli caniceps* and *L. s. erythronotus* (Taf. E, fig. 2), *L. s. schaecli* (Taf. E, fig. 3), *L. nasutus* (Taf. E, fig. 5), *L. n. nigriceps* (Taf. E, fig. 5), *L. n. cephalomelas*, *L. minor* (Taf. F, figs. 2, 3), *L. fuscatus* (Taf. E, fig. 6), *L. excubitoricus* (Taf. G, fig. 2), *L. bohni*, *L. caudatus* (Taf. G, fig. 3, and Taf. E, fig. 7), *L. corvinus corvinus*, *L. c. affinis* (Taf. G, fig. 4), *L. c. togoensis*, *L. subcoronatus* (Taf. H, fig. 2), *L. collaris humeralis* (Taf. H, fig. 3 and Taf. G, fig. 5), *L. Mackinnoni* (Taf. II, fig. 1, and Taf. G, fig. 6), *L. souzse* (Taf. G, fig. 1), *L. pomeranus badius* (Taf. H, figs. 4, 5), *L. nubicus* (Taf. C, fig. 3, and Taf. H, figs. 6, 7); descriptions of all species. SCHIEBEL, T.c. (161-219).—*L. phoenicuroides* and allies, SUSHKIN, London, Bull. Brit. Ornith. Cl., 16, (58-61).—*L. raddei*, breeding on the W. Altai Mts. and the Northern slopes of the Tarbagatai Mts. (58); *L. raddei*, *L. infuscatus*, *L. elegans* = *L. phoenicuroides*, (58, 59), *L. romanovi* Bogd. = *L. phoenicuroides*, *L. varius*, Sarudny = *L. bogdanovi*, (59), *L. phoenicuroides*, *ab. n. analogus*, (60), *L. pseudocollurio subsp. n.* W. Altai Mts. and Tarbagatai Mts., (60 & 61), *L. dichrurus*, Menzb. = *L. rodlei*, (61).—*L.*, critical notes; *L. cabanisi*, *nom. n. pro caudatus* Cabanis (nec Brehm), (404); HARTERT, Nov. Zool., 13, (392-405).—*L. excubitor* and allies, note, SCHALOW, J. Ornith., 54, (558).—*L. ludovicianus gambeli*, food, STEPHENS, Condor, 8, (130).—*L. major*, occurrence in Ireland; FOSTER, Irish Nat., 15, (156).—*L. collurio*, breeding in captivity; GUNTHER, Avicult. Mag., Brighton, ser. 2, 5; *L. collurio*, HERMANN, Natur u. Haus, Dresden, 15, (58-62); ORTO, Ornith. Monatsber., 14, (172-173); SCHIEBEL, Gera, Jahresh. Ges.

Natw., 46-48, (174-175); RENDLE, Gefied. Welt, 35, (105-106, 113-114, 121-122, 130-131, 137-138); VOIGT, Ornith. Monatschr., Gera, 31, (14-16).

Malacotus poliocephalus, NEUMANN, J. Ornith., 54, (155-156).

Pachycephala melanura tepa subsp. n., Island of Babber; *P. melanura arthurii subsp. n.*, Island of Wetter; HARTERT, Nov. Zool., 13, (299).—*P. intermedia*? on Kangaroo Island; CAMPBELL, Emu, 5, (142).

Pomatorhynchus senegalus subsp. n. armenus, OBERHOLSER, Washington, D.C., U. S. Nation. Mus. Proc., 30, (809).

Strepera melanoptera on Kangaroo Island, CAMPBELL, Emu, 5, (141, pl. xiii).—*S. graculina*, introduced into Ceylon. *id.* T.c. (231-232).

Telephonus tschagra, and *T. australis*, eggs, HAAGNER, A., London, Bull. Brit. Ornith. Cl., 19, (22, 23).

PARIDÆ.

Eichhörchennester als Schlafstätten der Meisen; WEMER, Zool. Beob., Frankfurt a. M., 47, (153-154).

Acredula caudata, nesting habit; ELMS, Zoologist, 10, (28).—*A. caudata major* from the Caucasus; BUTURLIN, Ibis, 1906, (420).—*A. vinacea* (Verr) appears to be the young of *glaucoocularis* Gould; LA TOUCHE, T.c. (436).

Agithalus caudatus, Nahrung, CSIKI, Aquila, 13, (148-161).—*A. roseus*, feathers in nest; READ, Bull. Brit. Ornith. Cl., 19, (22).—*A. consobrinus* near Chiakiang, LA TOUCHE, Ibis, 1906, (436-437).

Anthoscopus, review of species; HARTERT, Nov. Zool., 13, (386-387).—*A. roccatii sp. n.* Entebbe, SALVADORI, Boll. Mus. Torino, 21, No. 512, (2).

Bacolophus inornatus, status, GRINNELL, Auk, 23, (186-188).

Cyanistes caeruleus, *C. persicus*, *C. caeruleus orientalis*, notes, BUTURLIN, Ibis, 1906, (419).

Parus, the species of Coal-Tits of the palaearctic region; *P. vieirae sp. n.* Coimbra; NICHOLSON, Manchester Mem. Lit. Phil. Soc., 50, No. 13, (16 pl. 1, fig. 1).—*P. britannicus*, figured, (pl. i, fig. 2).—*P. palustris* in Argyll; ALSTON, Ann. Scot. Nat. Hist.,

1906, (51, 52); at Chinkiang, LA TOUCHE, Ibis, 1906, (435).—*P. palustris longirostris*, *P. atricapillus rhenanus* und *P. a. borealis*, in den Niederlanden, SNOUCKAERT VAN SCHAUBURG, Amsterdam, Versl. Med. Ned. Ornith. Ver., 3, (3-10).—*P. salicarius* in Silesia, TISCHLER, Ornith. Monatsber., 14, (61).—*P. atricapillus occidentalis*, habits, FINLAY, Condor, 8, (63-67, pl.).—*P. ater* Food, CSIKI, Aquila, 13, (148-161).—*P. niger lacuum subsp. n.*, Shoa; NEUMANN, J. Ornith., 54, (260).

Psaltiriparus plumbeus cecaumenorum subsp. n., C. SONORA. THAYER and BANGS, Washington, D.C., Proc. Biol. Soc., 19, (17-22).

Remiza pendulina, nesting, in Prussian Silesia, KOLLIBAY, Ornith. Monatsber., 14, (3); Food, CSIKI, Aquila, 13, (148-161).

REGULIDÆ.

Regulus regulus interni subsp. n. Corsica and Sardinia, HARTERT, Bull. Brit. Ornith. Cl., 16, (45).—*R. ignicapillus*, in Dorset, LESTER, Zoologist, 10, (149); near Tonbridge, ALEXANDER, T.c. (149); at Wimbledon, RENAUT, London, Bull. Brit. Ornith. Cl., 16, (45); in Kent, GRANT, T.c. (45); in Sussex, MORRIS, Zoologist, 10, (188).—*R. goodfellowi sp. n.* FORMOSA, GRANT, Bull. Brit. Ornith. Cl., 16, (122).—*R. yunnanensis sp. n.* W. Yun-nan, RIPPON, op. cit. 19, (19).

Sylviparus saturator sp. n. S. Chin Hills, RIPPON, op. cit. 16, (87).

SITTIDÆ.

Sitta corca sp. n. Corea, GRANT, London, Bull. Brit. Ornith. Cl., 16, (87-88).—*S. europaea caucasica* from Transcaucasia, BUTURLIN, Ibis, 1906, (417).—*S. syriaca parva subsp. n.* Transcaucasia. *id.* T.c. (417).—*S. dresseri sp. n.* E. Persia, SARUDNY and BUTURLIN, Ornith. Monatsber., 14, (132).

Sittella striata, female. CAMPBELL, Emu, 6, (15-16).

CERTHIDÆ.

Certhia familiaris u. *C. brachydactyla*, PARROT, München, Verh. ornith. Ges., 6, (12).—*C. familiaris* from Transcaucasia, BUTURLIN, Ibis, 1906, (420).—*C. brachydactyla brachydactyla* in den Niederlanden, *C. familiaris*, SNOUCKAERT VAN (N-9720 g)

SCHAUBURG, Amsterdam, Versl. Med. Ned. Ornith. Ver., 3, (3-10).—*C. victoriae sp. n.* S. Chin Hills, RIPPON, Bull. Brit. Ornith. Cl., 16, (87).

Salpornis; Notes on the African species; NEUMANN, J. Ornith., 54, (259).

Tichodroma muraria in Serbien, RZEHA, Ornith. Monatschr., Gera, 31, (122-124); at Eastbourne; its occurrences in England, BUTTERFIELD, Bull. Brit. Ornith. Cl., 16, (44).—*T. muraria*, N. W. Kiangsu, LA TOUCHE, Ibis, 1906, (442).

ZOSTEROPIDÆ.

Hypocryptadius cinnamomeus, figured, GRANT, Ibis, 1906, (473, pl. xviii, fig. 1).

Zosterops cerulescens, habits, nesting, etc., DORE, Emu, 6, (53-55).—*Z. palpebrosa*, eggs, OSMASTON (156), J. Bombay, Nat. Hist. Soc., 17.—*Z. japonica insularis subsp. n.* Yakushima; OGAWA, Annot. Zool. Jap., 5, (186-188).—*Z. tahananensis sp. n.* Malay Peninsula, GRANT, London, Bull. Brit. Ornith. Cl., 19, (10).—*Z. kühni sp. n.* Amboina, HARTERT, op. cit. 16, (81).—*Z. halimaturina sp. n.* Kangaroo Island, CAMPBELL, Emu, 5, (143).

DICÆIDÆ.

Dicæum mackloti romae subsp. n. Island of Roma; HARTERT, Nov. Zool., 13, (300).

NECTARINIIDÆ.

Anthreptes longmari haussarum subsp. n. Togoland, *A. l. angolensis subsp. n.* Angola, etc., *A. l. nyassa subsp. n.* E. and S. Nyasa Lake to Mashona Land; NEUMANN, Ornith. Monatsber., 14, 67).—*A. longmari* and its allies; *A. l. orientalis*, *haussarum*, *angolensis*, *nyassa*, *subsp. n.*, NEUMANN, J. Ornith., 54, (244-247).

Arachnechthra andamanica, eggs, OSMASTON, Bombay, J. Nat. Hist. Soc., 17, (161),

Cinnyris obscurus and allies, Note on, NEUMANN, J. Ornith., 54, (249).—*C. senegalensis* and allies. *id.* T.c. (252-256).—*C. niassa* from S.E. Rhodesia, SOLATER, London, Bull. Brit. Ornith. Cl., 19, (31).—*C. coquereli*, female described, NICOLL, Ibis, 1906, (679).—*C. habessinicus alter*, *subsp. n.* N. Somali Land to Harar, NEUMANN, Ornith. Monatsber., 14,

(7).—*O. mahéi* sp. n. Mahé Isl., Seychelles, NICOLL, London, Bull. Brit. Ornith. Cl., **16**, (106).

Nectarinia tokazze, N. t. *jacksoni* and N. t. *unispiciens*, notes on, NEUMANN, J. Ornith., **54**, (257-258).—*N. takazze*, eggs, NEUMANN, T.C. (300).—*N. dartmoulli* sp. n. E. Ruwenzori Mts., GRANT, London, Bull. Brit. Ornith. Cl., **16**, (117).—*N. arturi* sp. n. S.E. Rhodesia, SOLATER, op. cit., **19**, (30).—*N. chloronota* sp. n. Ruwenzori Mt. JACKSON, op. cit. **16**, (90).

MELIPHAGIDÆ.

Anthochaera paradoxa (Lath.), *Corvus paradoxus* (Latham) is a Honey-eater, and = *Anthochaera inauris* Gould; NORTH, Ibis, **1906**, (57).

Acanthorhynchus halmaturina sp. n. Kangaroo Island, CAMPBELL, Emu, **5**, (142, 143).

Lichmera halmaturina sp. n. Kangaroo Island, CAMPBELL, T.C. (143).

Meliornis novae hollandiae var., Kangaroo Island. id. T.C. (144).

Melithreptus lunulatus Shaw is *M. atricapillus* (Lath.), NORTH, Ibis, **1906**, (55); Latham's name founded on Watling's Drawings No. 105, SHARPE, London, Hist. Coll. Brit. Mus., **2**, (128).—*M. albigularis*, nesting on the Clarence River, NORTH, Proc. Linn. Soc. N.S.W., **30**, (395).—*M. melanocephalus* Gould = *M. affinis* (Less.), NORTH, Ibis, **1906**, (56).—*M. magnirostris* sp. n. Kangaroo Isl., NORTH, Sydney, N.S.W., Rec. Austr. Mus., **6**, (20-21, 1 pl.).

Ptilotis forresti sp. n. Northern Territory of South Australia, INGRAM, London, Bull. Brit. Ornith. Cl., **16**, (116).—*P. versicolor*, nesting on Frankland Is., N. Queensland, SMITH, Emu, **5**, (210, 211); (*P. versicolor*, Gould, nest and eggs, NORTH, Sydney, N.S.W., Rec. Austr. Mus., **6**, (29-30, 1 pl.).)

DREPANIDÆ.

Heterorhynchus wilsoni egg of this species erroneously noted as that of *Loxioides bailleui*. (J. Ornith. 1905, p. 419), NEHRKORN, J. Ornith., **54**, (321).

Loxioides bailleui, NEHRKORN, T.C. 321).

AMPELIDÆ.

Bombycilla garrula, T'SCHUDI ZU SCHMIDHOFEN, Zool. Beob., Frankfurt a. M., **47**, (142-146).

MNIOTILTIDÆ.

Breeding warblers of Demarest, N.J.; BOWDISH, Auk, **23**, (16-19).

Migration of warblers; COOKE, Bird-Lore, Harrisburg, Pa., **8**, 1906, (26-27, 61-62, 100-102, 134, 168-169, 203-204).

Autumn warbler in Michigan; WOOD, Auk, **23**, (20-25).

Basileuterus bivittatus, from Cuzco, Peru, probably different from the Bolivian species, BERLEPSCH and STOLZMANN, Ornith. London, **13**, (106, 107).—*B. signatus* sp. n. E.C. Peru and N.E. Bolivia, BERLEPSCH and STOLZMANN, T.C. (74, 75).

Dendroica caerulescens, life history, KNIGHT, J. Maine Ornith. Soc., **8**, (33-34).—*D. discolor* in Ohio; HENNINGER, Wilson Bull., Oberlin, Ohio, **18**, (72).—*D. occidentalis* in Washington, BOWLES, Condor, **8**, (40-42).—*D. vigorsii*, life history, SWAIN, J. Maine Ornith. Soc., **8**, (88-89).

Geothlypis canicapilla assimilis sp. n. E. Peru. BERLEPSCH and STOLZMANN, Ornith. London, **13**, (75, 76).

Granatellus pelzelni paraensis subsp. n. Para, ROTHCHILD, London, Bull. Brit. Ornith. Cl., **16**, (81); notes on, HELLMAYR, Nov. Zool., **13**, (355).

Helinaia swainsonii, date of discovery; WAYNE, Auk, **23**, (227).

Helminthophila; hybrid mating, MEEKER, T.C. (104).—*H. rubricapilla*, life history, KNIGHT, J. Maine Ornith. Soc., **8**, (8-11).—*H. rubricapilla gutturalis*, notes on; BOWLES, Condor, **8**, (68-69).—*H. lawrencii*, notes on, habits; BILDERSEE, Bird Lore, Harrisburg, Pa., **6**, 1904, (131-132).

MOTACILLIDÆ.

Anthus, Formenkreis und Phänologie, HERMAN, Aquila, **13**, (i-v).—*A. lutescens* Puch., and allies; HELLMAYR, Nov. Zool., **13**, (307).—*A. spiolella* in England; NICOLL, Zoologist, **10**, (463-467).—*A. maculatus*, said to have been shot near

Hamburg is an Indian specimen, HARTERT, Ornith. Monatsber., **14**, (82).—*A. richardi* von Barnaul, BUTURLIN, Psov. i ružejn. ochota, Moskva, **12**, (318).—*A. infuscatus* Blyth, a small dark form of *A. richardi*; *A. kiangsinensis* Dav. = *Oreocorys sylvanus* (Hodgs.), LA TOUCHE, Ibis, **1906**, (640).—*A. rufulus* and its allies, NEUMANN, J. Ornith., **54**, (231–232).—*A. nicholsoni longirostris* note on, (232).—*A. n. hararensis* subsp. n. Mts. of Harar, *A. n. nyassae* subsp. n. Nyasa lake to Uhohe, (233); *A. leucophrys sordidus* notes on (231); *A. l. omoensis* subsp. n. Omo River, S. Ethiopia, *A. l. zaphiroi* subsp. n. Mts. of Harar, (235); *A. l. zenkeri* subsp. n. Kamerun (235); *A. l. angolensis* subsp. n. Angola, Nyasa land and German E. Africa (236); *A. l. bolundorfi* subsp. n. Upper Congo, (236); *A. leggei* sp. n. S.E. Ruwenzori, GRANT, London, Bull. Brit. Ornith. Cl., **19**, (26).

Motacilla alba, in Co. Mayo; WARREN, Zoologist, **10**, (275); in the Isle of Man, RALFE, L.c.; *M. alba dukhumensis* in S. Ethiopia, NEUMANN, J. Ornith., **54**, (229).—*M. boarula* near Leipzig, VOIGT, Ornith. Monatsber., **14**, (174).—*M. boarula*, LÖNS, Ornith. Monatschr., Gera, **31**, (504–505) and WEMER, Zool. Beob., Frankfurt a. M., **47**, (180–181).—*M. raii* Bonap., continental allies, TICEHURST, Hastings, Ann. Rep. Nat. Hist., **1**, (38–41, pl. iv).—*M. flava* its status in Sussex, id. T.c.—*M. borealis* Sundev. is *M. thunbergi* Billberg, LÖNNBERG, J. Ornith., **54**, (531).—*M. barnardi* sp. n. Dawson River Queensland, NORTH, Proc. Linn. Soc. N.S.W., **30**, (578).

Oreocorys sylvanus, eggs of *Cuculus canorus* in nest of, RATTRAY, Bombay J. Nat. Hist. Soc., **16**, 1905, (659).

ALAUDIDAE.

Notices sur les *Alandidae*. (Russ.) BIANCHI, St. Peterburg, Bull. Ac. Sci., **23**, (205–240).

Alda arvensis near New York, BILDERSEE, Bird Lore, Harrisburg, Pa., **6**, 1904, (204–205).—*A. arvensis cinerea*, at Flannan Islands lighthouse; CLARKE, Ann. Scot. Nat. Hist., **1906**, (139).—*A. inopinata* in S. Tibet, Eggs, DRESSER, Ibis, **1906**, (343).—*A. brachydactyla* aus Ungarn, CSÖRGEY, Aquila, **13**, (171–179).

Melanocoryphoides gen. n. für *Melanocorypha maxima*, BIANCHI, St. Peterburg, Bull. Ac. Sci., **23**, (205–240).

Mirafr secunda, nest figured, BERNEY, Emu, **6**, (pl. v).—*M. javanica pallida*, correction, HARTERT, Nov. Zool., **13**, (755).—*M. rufescens* sp. n. Northern Territory of South Australia, INGRAM, London, Bull. Brit. Ornith. Cl., **16**, (116).

Olocorys alpestris, near Herne Bay, CLARK, Zoologist, **10**, (430); occurrence in Cheshire, COWARD, T.c. (72).—*O. alpestris praticola*, breeding in eastern Massachusetts, ALLEN, Auk, **23**, (101–102), and Eastern distribution of, NORTON, T.c. (225–226).

Pseudalaudula gen. n. für *Alda pispoleta* Pall., BIANCHI, St. Peterburg, Bull. Ac. Sci., **23**, (205–240).

Rhazocorys gen. n. für *Spizocorys razae* Alexander, BIANCHI, L.c.

Tephrocorys cinerea erlangeri subsp. n. S. Ethiopia, NEUMANN, J. Ornith., **54**, (239).

FRINGILLIDAE.

Acanthis hornemanni on Fair island, CLARKE, Ann. Scot. Nat. Hist., **1906**, (17).—*Acanthis linaria*, breeding on the Magdalen islands, CALLENDER, Auk, **23**, (102–123).

Amphispiza belli, note, PIERCE, Condor, **8**, (152–153).—*A. bilineata deserticola*, note, BAILEY, T.c. (111–112).

Astragalinus tristis, note; Amer. Ornith., Worcester, Mass., **6**, (26–30).

Calcarius lapponicus, at Fair island, CLARKE, Ann. Scot. Nat. Hist., **1906**, (18–19); in Brussels market, DUBOIS, Ornith. London, **13**, (135).

Carduelis carduelis, in Midlothian, CAMPBELL, Ann. Scot. Nat. Hist., **1906**, (50); in Transcaucasia, notes on, BUTURLIN, Ibis, **1906**, (423).—*C. c. volgensis* subsp. n. C. and E. Russia, (424); Saura River, Isimbirsk to the Ural, id. T.c. (736).—*C. carduelis minor* subsp. n. Ispahan and Sagrosch Mts., *C. c. loudoni* subsp. n. Prov. Shilan and Kaswin, Persia, SARUDNY, Ornith. Monatsber., **14**, (47).—*C. volgensis, loudoni, brevisrostris*, notes on, BUTURLIN, Ibis, **1906**, (736).—*C. caniceps*, breeds in Kashmir, RATTRAY, Bombay, J. Nat. Hist. Soc., **16**, 1905, (658).

Carpodacus erythrinus at Fair Isle, CLARKE and KINNEAR, Ann. Scot. Nat. Hist., 1906, (236).—*C. femininus* sp. n. Yangtze River, RIPPON, London, Bull. Brit. Ornith. Cl., 19, (31).—*C. incertus* sp. n. Formosa, GRANT, op. cit. 16, (122).

Chloris sinica, nest and eggs, LA TOUCHE, Ibis, 1906, (630).

Coccothraustes vulgaris, colour of eyes, PADDOCK, Zoologist, 10, (109).

Crithagra hilarii Bp. = *Sicalis arvensis* (Kittl.), HELLMAYR, Nov. Zool., 13, (309).

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(110); late stay in Cheshire, CUMMINGS, T.C. (188); in South Oxfordshire, April, APLIN, T.C. (313); note on, BERTRAM, Pfälz. Heimatk., Kaiserslautern, 2, (89-95).—*F. caelebs* at Kohat N.W. India, MAGRATH, London, Bull. Brit. Ornith. Cl., 19, (7).

Fringillaria goslingi sp. n. River Welle, ALEXANDER, op. cit., 16, (124).

Glycispina buehanani var. n. obscura Semirëčje-Gebiet, ZARUDNY u. KOREIEV, Mat. faun. flor. Ross., Zool. 7, (146-247).

Haplospiza uniformis referred to *Spodiornis*, HELLMAYR, Nov. Zool., 13, (308).

Hypacanthus spinoides, nesting habits, eggs, RATTRAY, Bombay, J. Nat. Hist. Soc., 16, 1905, (658).

Idiosar brachyurus from La Paz Bolivia, ROBINSON, Ibis, 1906, (387).

Junco hyemalis, in Essex County, Mass. ALLEN, Auk, 23, (103), also EUSTIS, T.C. (103); in Ireland, BARRINGTON, Irish Nat., 15, (137).—*J. siemsseni* sp. n. POKIEN, MARTENS, Ornith. Monatsber., 14, (192).

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Loxia curvirostra, note on, MÜLLER, Gefied. Welt, 35, (148-150, 157-158).

Melospiza lincolni gracilis (Kittlitz) = *M. l. striata* Brewster, OBERHOLSER, Washington, D.C., Proc. Biol. Soc., 19, (42).—*M. cinerea*, variation, CHAPMAN, Bird Lore, Harrisburg, Pa., 6, 1904, (164-165).

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Pinicola enucleator, breeding in captivity, ST. QUINTIN, Avicult. Mag., Brighton, **5**, (55); in Sussex, TICEHURST, London, Bull. Brit. Ornith. Cl., **16**, (48).

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Chlorospingus regionalis sp. n., Costa Rica, BANGS, Washington, D.C., Proc. Biol. Soc., **19**, (112).

Daonis saluoni Scl. referred to *Nemosia*, HELLMAYR, Nov. Zool., **13**, (317).

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Malimbus coronatus sp. n. River Ja Camarous, SHARPE, London, Bull. Brit. Ornith. Cl., **19**, (18).

Munia flaviprymna, in confinement, TESCHEMAKER, Avicult. Mag., Brighton, **4**, (97-99).

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Pyromelana oryx, seasonal changes of plumage and nidification in captivity, DUNCAN, Pretoria, J. S. Afric. Ornith. Union, **1**, (57-61).—*P. marwitszi*, sp. n. Inkulama, E. Africa, REICHENOW, Ornith. Monatsber., **14**, (171).

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Sturnia andamanensis, eggs, OSMASTON, Bombay, J. Nat. Hist. Soc., **17**, (158).

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Neoparadisea gen. n. *ruysi* sp. n. Geelvink Bay, allied to *Paradisea* and *Diphyllodes*, Oort, Leiden, Notes Mus. **28**, (129-130).

Parotia wahnesi sp. n. German New Guinea, ROTHSCHILD, on two new Birds of Paradise. Tring, 1906, (2-3): *id*; London, Bull. Brit. Ornith. Cl., **19**, (7).

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Wiss., **34**, (113-115); note, FISCHER-SIGWART, Zool. Beob., Frankfurt a. M., **47**, (105-110).—Notes on African species, KLEINSCHMIDT, J. Ornith., **54**, (81-99).—*C. corax edithae* (Taf. i), *C. scapulatus* (Taf. ii), *Corvus* ? (Taf. iii), *C. phaeocephalus* (Taf. iv, figs. 1-3); *C. frugilegus*, in Ostpreussen, THIENEMANN, Königsberg, Schr. physik. Ges., **47**, (64-70); utility, HOLLRUNG, Landw. Jahrb., Berlin, **35**, (579-620).

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Cyanocorax heckeli Pelz. and *C. inexpectatus* Elliot = *C. caeruleus* (Vieill.), HELLMAYR, Nov. Zool., **13**, (305-307).

Cyanolyca blandita sp. n. BANGS, Washington, D.C., Proc. Biol. Soc., **19**.

Cyanocitta cristata, habits, LEMMON, Bird Lore, Harrisburg, Pa., **6**, 1904, (89-90).

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ARRANGED BY

R. LYDEKKER.

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Cynopecterus princeps Sumatra (61), *major* (62), Nias Id., *pagensis* Pagi Id. Sumatra (62), *minutus* Nias Id. (63), spp. n.; MILLER, T.C.

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Sphaerias gen. n. for *Cynopecterus blanfordi* Thomas; MILLER, l.c.

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Macroderma **gen. n.** for *Megaderma gigas* Dobson; MILLER, Washington, D.C., Proc. Biol. Soc., **19**, (81).

Megaderma carinatae **sp. n.** Karimata Id.; MILLER, Washington, D.C., Smithsonian Inst., Nation. Mus. Proc., **31**, (63).

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Harpiocephalus leucogaster sibiricus **subsp. n.** W. Siberia; KAŠČENKO, Tomsk, Rec. Tomsk. Univ., 1905, (102^a).

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Miniopterus schreibersi japoniae **subsp. n.**; THOMAS, London, Proc. Zool. Soc., **1905**, 2, (338).—*M. fraterculus* **sp. n.** Cape Colony; THOMAS and SCHWANN, *op. cit.* **1906**, (162).—*M. majori*, (175), *manavi*, (176), Madagascar, **spp. n.**; THOMAS, Ann. Mag. Nat. Hist., London, ser. 7, **17**.

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Pipistrellus baeurianns **sp. n.** Transcaspiæ; SATUNIN, Tiflis, Mitt. Kavk. Mus., **2**, 1905, (67, 85).—*P. regulus* **sp. n.** S.E. Australia; THOMAS, London, Proc. Zool. Soc., **1906**, (470).—*P. portensis* **sp. n.** Hainan; ALLEN, J. A., New York, N.Y., Bull. Amer. Mus., **22**, (487).—*P. aladdin*, Persia, described; THOMAS, London, Proc. Zool. Soc., **1905**, 2, (521).

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Pterygistes madeirae **sp. n.** Madeira; BARRETT-HAMILTON, Ann. Mag. Nat. Hist., London, Ser. 7, **17**, (98).—*P. montanus* **sp. n.** Himalaya; id, T.C. (99).

Rhinopterus **gen. n.** for *Glauconycteris floueri* de Winton; MILLER, Washington, D.C., Proc. Biol. Soc., **19**, (85).

Scoteinus balstoni **sp. n.** S.E. Australia; THOMAS, London, Proc. Zool. Soc., **1906**, (472).

Scotophilus nigrata herero **subsp. n.** N. Damaraland (174); *S. damarensis* **sp. n.** N. Damaraland (175); THOMAS, Ann. Mag. Nat. Hist., London, ser. 7, **17**.—*S. kuhlii insularis*, *S. castaneus consobrinus* **subsp. n.** Hainan; ALLEN, J. A., New York, N.Y., Bull. Amer. Mus. Nat. Hist., **22**, (485).

Vespertilio matschiei pellucens **subsp. n.** Persia; THOMAS, London, Proc. Zool. Soc., **1905**, 2, (520).

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Dirias **gen. n.** for *Noctilio albiventer* Spix; MILLER, Washington, D.C., Proc. Biol. Soc., **19**, (84).

Eumops **gen. n.** for *Molossus californicus* Merriam; MILLER, T.C. (85).

Molossus sinaloae **sp. n.** Mexico; ALLEN, J. A., New York, N.Y., Bull. Amer. Mus. Nat. Hist., **22**, (236).

Myropteryx **gen. n.**, *pullus* **sp. n.** Surinam; MILLER, Washington, D.C., Proc. Biol. Soc., **19**, (59, 60).

Nyctinomus plicatus colonicus **subsp. n.** Australia; THOMAS, London, Proc. Zool. Soc., **1906**, (537).

Platymops **gen. n.**, *macmillani* **sp. n.**
N.E. Africa; THOMAS, Ann. Mag. Nat.
Hist., London, ser. 7, 17, (499).

Rhinopoma microphyllum, note on;
SENNA, Napoli, Annuario Museo zool.,
ser. 2, 2, (1).

NATALIDAE.

Photodes **gen. n.** for *Natalus tumidi-*
rostris Miller; MILLER, Washington,
D.C., Proc. Biol. Soc., 19, (85).

PHYLLOSTOMATIDAE.

Ardops **gen. n.** for *Stenoderma*
nichollsi Thomas; MILLER, Washington,
D.C., Proc. Biol. Soc., 19, (84).

Artibeus planirostris trinitatis
subsp. n. Trinidad; *A. p. grenadensis*
subsp. n. Grenada; *A. hirsutus* **sp. n.**
Mexico, (420); *A. jamaicensis aequa-*
terialis **subsp. n.** Ecuador; *A. j. praeceps*
subsp. n. Guadeloupe; *A. cinereus bogota-*
ensis **subsp. n.** Bogota, (421); *A. aztecus*
Morelos, *turpis* Tabasco, (422), *nanus*
Mexico, (423), **spp. n.**; ANDERSEN, Ann.
Mag. Nat. Hist., London, ser. 7, 18.

Chaeronycteris mexicana in Arizona;
MILLER, Washington, D.C., Proc. Biol.
Soc., 19, (96).

Dermoptera jucundum **sp. n.** Mexico;
ELLIOT, T.c. (50).

Desmodus rufus, general account;
DUGÈS, Mexico, Mem. Soc. Ant. Alzate,
23, (65).

Diæmus **gen. n.** for *Desmodus youngi*
Jentink; MILLER, Washington, D.C.,
Proc. Biol. Soc., 19, (84).

Erophylla **gen. n.** for *Phyllonycteris*
bombifrons Miller; MILLER, T.c. (84).

Enchisthenes **gen. n.** for *Artibeus harti*
Thomas; ANDERSEN, Ann. Mag. Nat.
Hist., London, ser. 7, 18, (419).

Glyphonycteris, synopsis of species;
ANDERSEN, T. c. (50).

Ischnoglossa **sp.**, notes on; DUGÈS,
Mexico, Mem. Soc. Ant. Alzate, 24,
(117).

Miconycteris, synopsis of species;
ANDERSEN, T.c. (50).—*M. microtis*, type
specimen; LYON, Ann. Mag. Nat. Hist.,
London, ser. 7, 18, (371).

Phyllonycteris sancta-cristobalensis **sp.**
n. San Domingo; ELLIOT, Washington,
D.C., Proc. Biol. Soc., 18, 1905, (236).

Phyllostoma verrucosum **sp. n.**
Mexico; ELLIOT, T.c. (236).

Uroderma thomasi **sp. n.** Bolivia;
ANDERSEN, Ann. Mag. Nat. Hist., London,
ser. 7, 18, (419).

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Insectivora of W. Siberia and Tur-
kestan; KAŠŔENKO, Toms, Rec.
Toms Univ., 1905, (xvi + 102e).

GALEOPTHECIDAE.

Colugidae the family name, with the
species *Colugo philippinensis* and *Cyno-*
cephalus volans, replaces *Galeopthecidae*
and *Galeopthecus*, MILLER, Washington,
D.C., Proc. Biol. Soc., 19, 1906, (41).

TUPAIIDAE.

Tupaia ferruginea, habits; RIDLEY,
Singapore, J. Straits Branch R. Asiatic
Soc., 45, (279).—*T. javanica*, placenta;
VAN HERWERDEN, Anat. Hefte, Wies-
baden, Abth., 32, (155).—*T. carinatae*
Karimata Id., MILLER, Washington, D.C.,
Smithsonian Inst., Nation. Mus. Proc.,
31, (62).—*T. modesta* Hainan, ALLEN,
J. A., New York, N.Y., Bull. Amer.
Mus. Nat. Hist., 22, (481).—*T. inflata*
(600), *discolor* (602), Banka, Lyon, Wash-
ington, D.C., Smithsonian Inst., Nation.
Mus. Proc., 31, **spp. nn.**

MACROSCOLIDAE.

Elephantulus **gen. n.** for *Macroscelides*
rupestris; THOMAS and SCHWANN, Lon-
don, Proc. Zool. Soc., 1906, (577).—*E.*
rupestris myurus **subsp. n.** N. E. Trans-
vaal; THOMAS and SCHWANN, T.c. (586).

Nasilio **gen. n.** for *Macroscelides*
brachyrhynchus; THOMAS and SCHWANN,
T.c. (578).

Rhynchocyon stuhlmanni nudicauda
subsp. n. Ituri Forest, LYDEKKER, Lon-
don, Proc. Zool. Soc., 1906, (995).

TALPIDAE.

Mogera vogura kanai **subsp. n.** Yaku-
shima, THOMAS, London, Proc. Zool. Soc.,
1905, 2, (361).

Talpa europaea, habits in captivity, ADAMS, Manchester, Mem. Lit. Phil. Soc., **50**, No. 9; monstrosity, VAN DEN BROEK, Petrus Camper, Bijdr. Anat., Haarlem, **4**, (195); diurnal habits, LONS, Zool. Beob., Frankfurt a. M., **47**, (336); degeneration of eye, ROLLINAT and TROUSSART, Paris, C.-R. Soc. biol., **61**, (602).—*T. caeca*, notes on, CAMERANO, Torino, Boll. Musei zool. anat., **21**, No. 530, (1).—*T. caeca levantis* subsp. n. Trebizond, THOMAS, Ann. Mag. Nat. Hist., London, ser. 7, **17**, (416).

(*Talpa romana* e altre forme di talpe europee, CAMERANO, L., Torino, Mem. Acc. sc., ser. 2, **54**, 1904, (81-128, tav.).)

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(Les Soricidés, MANSION, Rev. sci., Paris, sér. 5, **1**, 1904, (169-173).)

Crocidura deserti Bechuanaland, SCHWANN, London, Proc. Zool. Soc., **1906**, (103).—*C. coreae* Korea, THOMAS, T.c. (860).—*C. sylvia* Woodbush N. E. Transvaal, THOMAS and SCHWANN, T.c. (587).—*C. goliath* Cameroons, THOMAS, Ann. Mag. Nat. Hist., London, ser. 7, **17**, (177): sp. n.—*C. niobe* sp. n., *C. fumosa montis* subsp. n. Mt. Ruwenzori, THOMAS, Op. cit. **18**, (138).—*C. leucodon lasius* (416), *C. russula monacha* (417), subspp. n. Trebizond, THOMAS, Op. cit. **17**.—*C. dsinezuma chisai* subsp. n. Japan, THOMAS, London, Proc. Zool. Soc., **1905**, **2**, (340).

Myosorex blarina sp. n. Mt. Ruwenzori, THOMAS, Ann. Mag. Nat. Hist., London, ser. 7, **18**, (139).

Sorex minutus at Great Yarmouth, RUMBELOW, Zoologist, ser. 4, **10**, (429); in Surrey, DALGLEISH, T.c.—*S. araneus borealis* subsp. n. W. Siberia, KASCHENKO, Tomsk, Rec. Tomsk Univ., **1905**, (85).—*S. shinto*, note on (338), *S. hawkeri* sp. n. Japan (339), THOMAS, London, Proc. Zool. Soc., **1905**, **2**.—*S. annexus* sp. n. Korea, THOMAS, op. cit. **1906**, (859).

Surdisorex gen. n., *norae* sp. n. Brit. E. Africa, THOMAS, Ann. Mag. Nat. Hist., London, ser. 7, **18**, (223).

Sylvisorex lunaris sp. n. Mt. Ruwenzori, THOMAS, T.c. (139).

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ERINACEIDAE.

Erinaceus europaeus, egg-segmentation, KUNSEMÜLLER, Zs. wiss. zool., **85**, (74); uterus, STRAHL, Amsterdam, Proc. Sci. Akad. Wet., **1906**, (812), and Amsterdam, Versl. Wis. Nat. Akad. K. Akad. Wet., **14**, (784).—*E. europaeus nesiotus* subsp. n. Crete, BATE, London, Proc. Zool. Soc., **1905**, **2**, (316).—*E. albulus turanicus*, subsp. n. Transcaspiia, **1905**, (45, 70); *E. europaeus transcaasicus*, Talish, subsp. n. **1906**, (166, 281), SATUNIN, Tiflis, Mitt. Kavk. Mus., **2**.

CENTETIDAE.

Microgale conani nigrescens subsp. n. Madagascar, ELLIOT, Washington, D.C., Proc. Biol. Soc., **18**, 1905, (237).

CHRYSOCHLORIDAE.

†N. American Tertiary *Chrysochloridae* including *Apternodus* and the undermentioned *Xenotherium*; MATTHEW, Science, New York, N.Y., **24**, (786).

Chrysochloris: molars not truly tri-tubercular; GIDLEY, Washington, D.C., Proc. Nation. Acad. Sci., **7**, (91).

†*Xenotherium* gen. n. *unicum* sp. n. Eocene Montana, DOUGLASS, Pittsburg, Mem. Carnegie Mus., **2**, 1905, (204), [referred by describer to *Monotremata*, but by] MATTHEW, Science, New York, N.Y., **24**, (786), to *Chrysochloridae*.

CARNIVORA.

A.—Carnassidentia.

†Fossil of Darmstadt, REICHENAU, Darmstadt, Abh. Geol. Landesanst., **4**, (189).

FELIDAE.

Tubercle in the larger species; GERVAIS and ACHALME, Bul. Muséum, Paris, **1906**, (344), and Paris, C.-R. Acad. sci., **149**, (1296).

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d 21

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(367), *C. studeri* sp. n. (368), *C. mengesi lamperti* subsp. n. (369), Africa, HILZHEIMER, Zool. Beob., Frankfurt-a-M. 47, —*C. somalicus* Somaliland (1), *gallaensis* Gallaland (2), spp. n., LORENZ, Wien, SitzBer. Ak. Wiss., 1906 No. 18. —*C. familiaris*, breeds, WATSON, The Dog Book, London, 1906; nerves, BIKELES and ZALUSKA, Arch. Ges. Physiol., Bonn, 111, (376); 6-toed abnormality, TARNANI, Novo-Aleksandrija, Zap. Inst. sel'sk. choz., 18 (106); third eyelid, vide ENGELIEN; sexual functions, LOISEL, Paris, C.-R. soc. biol. 60, (255); abnormal dentition, KÜNSTLER and CHAINE, Bordeaux, Pr-verb. soc. sci. phys. nat., 1906, (26); milk, WEDEMEYER, Berliner tierärztl. Wochenschr., 1906, (763); suprarenals, ALEZAIS and PEYRON, Paris, C.-R. soc. biol., 60, (1161); arteries, SUCHORUČKIN, Die Arterien und Nerven des Pferdes und die Arterien der Extremitäten des Hundes, (Russ.) Jurjev, 1905.—*C. lupus*, in Europe, HILZHEIMER, Kosmos, Stuttgart, 3, (179-180); in Switzerland, BRETSCHER, Zürich, Neu-Jahrbl. natf. Ges. 1906, (1); in France, PELTIER, Chalon-sur-Saône, Bul. soc. sci. nat., 32, (110); and TURQUAN, Nature, Paris, 34 (322).—*C. aureus* in Dalmatia, PICHLER, Glasnik. Naravosl. druzt., Zagreb 18 (1).—*C. vulpes*, life-history and habits, DALE, The Fox, London, 1906; TREGARTHEN, The Life Story of a Fox, London, 1906; BUTOW, Sanct. Hubertus, Cöthen, 24 (213).

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LIST OF ABBREVIATIONS WITH TITLES OF THE JOURNALS.

<i>Aarsb. Norges Fiskerier, Bergen</i>	Aarsberetning vedkommend Norges Fiskerier, Bergen.	2 Nor.
<i>Aarau, Mitt. Natf. Ges. ...</i>	Mitteilungen der aargauischen naturforschenden Gesellschaft. Aarau. 8vo.	1 Swi.
<i>Abeille, Paris ...</i>	Abeille (1'). Sec. Bedel, Paris. [irrégul.]	2 Fr.
<i>Abh. geol. Specialkarte Els-Lothr., Strassburg</i>	Abhandlungen zur geologischen Specialkarte von Elsass-Lothringen. Strassburg. [2-3 H. jährl.]	1 Ger.
<i>Acireale, Rend. Mem. Acc. Zelanti</i>	Rendiconti e Memorie della R. Accademia degli Zelanti, Acireale.	1 It.
<i>Actes Muséum hist. nat., Rouen</i>	Actes du Muséum d'histoire naturelle. Rouen (Seine-Inférieure). [irrégul.]	5 Fr.
<i>Adelaide, S. Aust., Mem. R. Soc.</i>	Memoirs of the Royal Society of South Australia.	3 S. Aus.
<i>Adelaide, S. Aust., Proc. R. Soc.</i>	Proceedings of the Royal Society of S. Australia, Adelaide.	5 S. Aus.
<i>Adelaide, S. Aust., Trans. R. Soc.</i>	Transactions of the Royal Society of S. Australia, Adelaide.	6 S. Aus.
<i>Agric. Exp. Sta., Arizona, Tucson, Bull.</i>	University of Arizona. Arizona Agricultural Experiment Station, Tucson. Bulletin.	— U.S.
<i>Agric. Exp. Sta., California, Sacramento, Bull.</i>	University of California Publications, College of Agriculture. Agricultural Experiment Station, Sacramento. Bulletin.	— U.S.
<i>Agric. Exp. Sta., California, Sacramento, Rep.</i>	University of California publications. Report of work of the Agricultural Experiment Station of the University of California, Sacramento.	— U.S.
<i>Agric. Exp. Sta., Colorado, Fort Collins, Bull.</i>	Agricultural Experiment Station of Colorado, Fort Collins. Bulletin.	— U.S.
<i>Agric. Exp. Sta., Colorado, Fort Collins, Rep.</i>	Agricultural Experiment Station of Colorado, Fort Collins. Report.	— U.S.
<i>Agric. Exp. Sta., Cornell Univ., Bull.</i>	Agricultural Experiment Station, Cornell University. Bulletin.	— U.S.
<i>Agric. Exp. Sta., Florida, Jacksonville, Bull.</i>	Bulletin of the Experiment Station of Florida at the State Agricultural College, Jacksonville.	— U.S.

<i>Agric. Exp. Sta., Illinois, Springfield, Bull.</i>	University of Illinois Agricultural Experiment Station, Springfield. Bulletin.	— U.S.
<i>Agric. Exp. Sta., Montana, Bozeman. Rep.</i>	Agricultural Experiment Station, Montana, Bozeman. Bulletin.	— U.S.
<i>Agric. Exp. Sta., New Mexico, Las Cruces, Bull.</i>	New Mexico College of Agriculture and the mechanic Arts. Agricultural Experiment Station, Las Cruces. Bulletin.	— U.S.
<i>Agric. Exp. Sta., New York, Ithaca, Bull.</i>	Bulletin of the Agricultural Experiment Station at Ithaca, New York.	— U.S.
<i>Agric. Exp. Sta., Ohio, Columbus, Bull.</i>	Bulletin of the Ohio Agricultural Experiment Station, Columbus. Technical Series.	— U.S.
<i>Agric. Exp. Sta., Washington, Pullman, Bull.</i>	Bulletin of the Agricultural Experiment Station at Pullman, Washington.	— U.S.
<i>Agric. Exp. Sta., West Virginia, Morgantown, Bull.</i>	Bulletin of the Agricultural Experiment Station at Morgantown, West Virginia.	— U.S.
<i>Agric. Gaz., Sydney, N.S.W.</i>	Agricultural Gazette, Sydney, N.S.W. ...	1 N.S.W.
<i>Agric. Led., Calcutta ...</i>	Agricultural Ledger, Calcutta ...	1 Ind.
<i>Alabama, Bull. Geol. Surv., University P.O.</i>	Bulletin of the Geological Survey of Alabama, University P.O.	1 U.S.
<i>Albany Univ., N.Y., Mem. St. Educ. Dept. Bull. Mus.</i>	Memoirs of the New York State Museum. University of the State of New York, Albany, N.Y.	5 U.S.
<i>Albany Univ., N.Y., St. Educ. Dept. Mus. Bull.</i>	New York State Education Department. New York, State Museum Bulletin, Albany, N.Y.	4 U.S.
<i>Albany, N.Y., St. Educ. Dept., Mus. Rep.</i>	New York State Education Department. New York State Museum Annual, Report, Albany, N.Y.	6 U.S.
<i>Albany, N.Y., Trans. Alb. Inst.</i>	Transactions of the Albany Institute, Albany, N.Y.	7 U.S.
<i>Állatorv. L., Budapest ...</i>	Akademiai Ertesítő, Budapest. [Akademischer Anzeiger, Budapest.]	— Hun.
<i>Állatt. Közlem., Budapest ...</i>	Állattani Közlemények, Budapest. [Zoologische Mittheilungen, Budapest.]	32 Hun.
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<i>An. Mus. Chile, Santiago ...</i>	Anales del Museo nacional de Chile. Publicados por orden del Gobierno de Chile. Primera Sección Zoológica. Santiago.	— Chile
<i>An. Mus. La Plata, Buenos Aires</i>	Anales del Museo de La Plata, Buenos Aires.	— Argent.
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<i>An. Mus., Montevideo ...</i>	Anales del Museo nacional de Montevideo, Montevideo.	— Urug.
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<i>Ann. Queensland Mus., Brisbane</i>	Annals of the Queensland Museum, Brisbane.	— Queens-land.
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<i>Kazanŭ, Prot. Obšč. jest. ...</i>	Протоколы засѣданій Общества естествоиспытателей при Императорскомъ Казанскомъ Университетѣ. Казань [Procès-verbaux des séances de la Société des naturalistes de l'Université Impériale de Kazan. Kazan].	415 Rus.
<i>Kazanŭ, Trd. Obšč. jest. ...</i>	Труды Общества естествоиспытателей при Императорскомъ Казанскомъ Университетѣ. Казань [Travaux de la Société des naturalistes de l'Université Impériale de Kazan].	88 Rus.
<i>Kazanŭ, Trd. Obšč. pčelovod.</i>	Труды Казанскаго Общества пчеловодства. Казань [Travaux de la Société d'apiculture de Kazan. Kazan].	— Rus.
<i>Kazanŭ, Zap. veterin. Inst.</i>	Ученныя записки Казанскаго ветеринарнаго Института. Казань [Mémoires scientifiques de l'Institut vétérinaire de Kazan. Kazan].	91 Rus.
<i>Kent Mag., Maidstone ...</i>	The Kentish Magazine, Maidstone ...	184 U.K.
<i>Kew Bull., London... ...</i>	Bulletin of Miscellaneous Information, Royal Gardens, Kew.	185 U.K.
<i>Khartoum, Rep. Wellcome Res. Lab.</i>	Report of the Wellcome Research Laboratories at the Gordon Memorial College, Khartoum. Department of Education, Sudan Govt.	— Eg.
<i>Kiel, Schr. natw. Ver.</i>	Schriften des naturwissenschaftlichen Vereins für Schleswig-Holstein. Kiel. [jähr.]	691 Ger.
<i>Kiev, Izv. Univ.</i>	Университетскія извѣстія. Кіевъ [Bulletin de l'Université Impériale de Kiev].	94 Rus.
<i>Kiev, Zap. Obšč. jest. ...</i>	Записки Кіевскаго Общества естествоиспытателей. Кіевъ [Mémoires de la Société des Naturalistes de Kiev].	100 Rus.

<i>Kingston, Ann. Inst. Jamaica</i>	Annals of the Institute of Jamaica, Kingston.	— W. In.
<i>Kingston, J. Inst. Jamaica</i>	Journal of the Institute of Jamaica, Kingston.	— W. In.
<i>Kjöbenhavn, Ber. Biol. Stat.</i>	Beretning fra den danske biologiske Station, Kjöbenhavn.	1 Den.
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<i>Klagenfurt, Jahrb. Nat.-Hist. LdMus. Kärnten</i>	Jahrbuch des Naturhistorischen Landes-Museums von Kärnten. Red. v. Karl Frauscher. Klagenfurt. [jähr.]	146 Aus.
<i>Klin. Monatsbl. Augenheilk., Stuttgart</i>	Klinische Monatsblätter für Augenheilkunde, hrsg. v. Zehender. Stuttgart. [monatl.]	695 Ger.
<i>Knowledge and Sci. News, London</i>	Knowledge and Scientific News, London.	187 U.K.
<i>Königsberg, Schr. physik. Ges.</i>	Schriften der physikalisch-ökonomischen Gesellschaft zu Königsberg. [jähr.]	702 Ger.
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<i>Konch. Sek., Gifu....</i>	Konchū Sekai (The Insect World). Japanese language. Gifu, Japan.	10 Jap.

<i>Kosmos, Lwów</i>	Kosmos, czasopismo Polskiego Towarzystwa przyrodników im. Kopernika, red. B. Radziszewski, Lwów. 8vo. [monthly.]	21 Pol.
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<i>Pennsylvania, Dept. Agric., Div. Zool. Q. Bull., Harrisburg</i>	Pennsylvania Department of Agriculture. Division of Zoology. The Zoological Quarterly Bulletin. Harrisburg, Pa.	— U.S.
<i>Pennsylvania, Rep. Dept. Agric., Harrisburg</i>	Annual Report of the Pennsylvania Department of Agriculture. Harrisburg, Pa.	— U.S.
<i>Penzance, Trans. Nat. Hist. Soc.</i>	Transactions of the Natural History and Antiquarian Society, Penzance.	364 U.K.
<i>Penzance, Trans. R. Geol. Soc., Cornwall</i>	Transactions of the Royal Geological Society of Cornwall, Penzance.	365 U.K.
<i>Perpignan, Bul. soc. agric. sci.</i>	Bulletin de la société agricole, scientifique et littéraire des Pyrénées-Orientales. Perpignan (Pyrénées-Orientales). [trimestr.]	630 Fr.
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<i>Petrus Camper, Bijdr. Anat., Haarlem</i>	Petrus Camper, Nederlandsche Bijdragen tot de Anatomie, Haarlem. 4to.	44 Hol.
<i>Pfälz. Heimatk., Kaiserslautern</i>	Pfälzische Heimatkunde. Monatschrift für heimatliche Archäologie, Anthropologie, Geographie, Geologie und Botanik sowie verwandte Wissenschaften. Schriftl. Ph. J. Fauth. Kaiserslautern. [monatl.]	— Ger.

<i>Pflanzer, Tanga ...</i>	Der Pflanzer. Ratgeber für tropische Landwirtschaft unter Mitwirkung des Biologisch-Landwirtschaftl. Instituts Amani, hrsg. durch die „Usambara-Post“. Tanga. [$\frac{1}{2}$ monatl.]	— Ger.
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<i>Pietermaritzburg, Rep. Geol. Surv. Nat. Zulul.</i>	Report of the Geological Survey of Natal and Zululand, Pietermaritzburg	— S. Af.
<i>Pisa, Atti Soc. tosc. sc. nat.</i>	Atti della Società toscana di scienze naturali, Pisa.	26 It.
<i>Pisa, Proc. verb. Soc. tosc. sc. nat.</i>	Processi verbali della Società toscana di scienze naturali, Pisa.	154 It.
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<i>Polit.-anthr. Rev., Leipzig...</i>	Politisch-anthropologische Revue. Monatsschrift für das soziale und geistige Leben der Völker. Leipzig. [monatl.]	— Ger.
<i>Pop. Sci. Mon., New York, N.Y.</i>	Popular Science Monthly, New York, N.Y.	392 U.S.
<i>Port of Spain, J. Trinidad Cl.</i>	Journal of the Trinidad Field Naturalists' Club, Port of Spain.	— W. In.
<i>Port of Spain, Proc Inst. Trinidad</i>	Proceedings of the Victoria Institute of Trinidad, Port of Spain.	— W. In.

<i>Portici, Ann. Scuola sup. agric.</i>	Annali della Scuola superiore di agricoltura, Portici.	152 It.
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<i>Posen, Zs. D. Ges. Wiss. ...</i>	Deutsche Gesellschaft für Kunst und Wissenschaft in Posen. Zeitschrift des naturwissenschaftlichen Vereins, hrsg. v. Pfuhl. Posen. [zwanglos.]	— Ger.
<i>Postelsia, St. Paul, Minn....</i>	Postelsia: the Year Book of the Minnesota Seaside Station. St. Paul, Minn.	— U.S.
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<i>Prostějov, Věstn. Kl. Přír.</i>	Věstník klubu přírodovědeckého. [Mittheilungen des naturwissenschaftlichen Klubs. Prossnitz.]	535 Aus.
<i>Providence, R.I., Bull. Roger Williams Park Mus.</i>	Roger Williams Park Museum. Bulletin. Providence, R.I.	— U.S.
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<i>Wien, Abh. ZoolBot. Ges. ...</i>	Abhandlungen der k. k. Zoologisch-Botanischen Gesellschaft in Wien. Red. v. Anton Handlirsch. Wien. [zwanglos.]	405 Aus.
<i>Wien, Ann. NatHist. Hof-mus.</i>	Annalen des k. k. Naturhistorischen Hof-museums. Redig. von Franz Steindachner. Wien. [½ jährl.]	408 Aus.
<i>Wien, Anz. Ak. Wiss. ...</i>	Anzeiger der Kaiserlichen Akademie der Wissenschaften Mathematisch-Naturwissenschaftliche Klasse. [27 II. jährl.]	409 Aus.
<i>Wien, Arb. Zool. Inst. Univ.</i>	Arbeiten aus den Zoologischen-Instituten der Universität Wien und der Zoologischen Station in Triest. Herausgeg. v. Karl Grobben und Berthold Hatschek. Wien. [zwanglos.]	411 Aus.
<i>Wien, Beitr. Pal. Geol. ÖstUng.</i>	Beiträge zur Paläontologie und Geologie Österreich-Ungarns und des Orients. Mitteilungen des Paläontologischen und Geologischen Institutes der Universität Wien. Herausgegeben mit Unterstützung des hohen Ministeriums für Kultus und Unterricht von Viktor Uhlig und Gustav von Arthaber. Wien. [½ jährl.]	415 Aus.
<i>Wien, Denkschr. Ak. Wiss.</i>	Denkschriften der Kaiserlichen Akademie der Wissenschaften. Mathematisch - Naturwissenschaftliche Klasse. Wien. [zumindest jährl.]	420 Aus.
<i>Wien, JahrBer. Entom. Ver.</i>	Jahresbericht des Wiener Entomologischen Vereines. Wien. [jährl.]	430 Aus.
<i>Wien, JahrBer. Ver. Adria</i>	Jahresbericht des Vereines zur Förderung der naturwissenschaftlichen Erforschung der Adria. Wien. [jährl.]	— Aus.

<i>Wien, Jahrb. Geol. Reichs-Anst.</i>	Jahrbuch der k. k. Geologischen Reichs-Anstalt. Wien. [$\frac{1}{4}$ jährl.]	425 Aus.
<i>Wien, SitzBer. Ak. Wiss. ...</i>	Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Wien. [in 4 Abteilungen, zwanglos.]	472 Aus.
<i>Wien, Verh. Geol. Reichs-Anst.</i>	Verhandlungen der k. k. Geologischen Reichs-Anstalt. Wien. [18 H. jährl.]	477 Aus.
<i>Wien, Verh. ZoolBot. Ges. ...</i>	Verhandlungen der k. k. Zoologisch-Botanischen Gesellschaft in Wien. Red. v. A[nton] Handlirsch. Wien. [10 H. jährl.]	479 Aus.
<i>Wiesbaden, Jahrb. Ver. Natk.</i>	Jahrbücher des nassauischen Vereins für Naturkunde. Wiesbaden. [jährl.]	1121 Ger.
<i>Wild u. Hund, Berlin ...</i>	Wild und Hund, red. v. Stahlecker. Berlin. [wöch.]	1123 Ger.
<i>Wilson Bull., Oberlin, Ohio, Ornith.</i>	Wilson Bulletin. (Wilson Ornithological Club.) Oberlin, Ohio.	347 U.S.
<i>Wiltshire Archæol. Mag., Devizes</i>	The Wiltshire Archæological and Natural History Magazine, Devizes.	426 U.K.
<i>Wisconsin, Madison, Geol. Nat. Hist. Surv., Bull.</i>	Wisconsin Geological and Natural History Survey. Bulletin. Madison.	534 U.S.
<i>Wiss. Meeresunters., Kiel ...</i>	Wissenschaftliche Meeresuntersuchungen, hrsg. v. d. Commission zur wissenschaftlichen Untersuchung der deutschen Meere in Kiel u. der Biologischen Anstalt auf Helgoland. Kiel. [zwanglos.]	1127 Ger.
<i>Wochenschr. Aquarien-kunde, Braunschweig</i>	Wochenschrift für Aquarien- und Terrarienkunde. Hrsg. v. W. Wolterstorff. Braunschweig. [wöch.]	— Ger.
<i>Wochenschr. Thierheilk., München</i>	Wochenschrift für Thierheilkunde und Viehzucht, hrsg. v. Albrecht und Göring. München. [wöch.]	1136 Ger.
<i>Wood's Holl, Mass., Mar. Biol. Lab. Bull.</i>	Marine Biological Laboratory. Biological Bulletin, Wood's Holl, Mass.	535 U.S.
<i>Wood's Holl, Mass., Mar. Biol. Lab. Lect.</i>	Marine Biological Laboratory. Biological Lectures, Wood's Holl, Mass.	536 U.S.
<i>Woolhope, Trans. Nat. F. Cl.</i>	Transactions of the Woolhope Naturalists' Field Club, Hereford. 8vo.	427 U.K.
<i>Worcester, Trans. Nat. Cl.</i>	Worcester. The transactions of the Worcestershire Naturalists' Club. [Established 1847.]	— U.K.
<i>Wr EntomolZtg, Wien ...</i>	Wiener Entomologische Zeitung. Red. v. Alfred Hetschko und Edmund Reitter. Wien. [10 H. jährl.]	493 Aus.
<i>Wr Klin. Rdsch., Wien ...</i>	Wiener Klinische Rundschau. Organ für die gesamte praktische Heilkunde sowie für die Interessen des ärztlichen Standes. Red. v. F. Obermayer und Karl Kunn. Wien. [wöchentl.]	495 Aus.

<i>Wszechświat, Warszawa ...</i>	Wszechświat, tygodnik poświęcony naukom przyrodniczym, red. Br. Znutowicz, Warszawa. 4to. [weekly.]	57 Pol.
<i>Würzburg, SitzBer. physik. Ges.</i>	Sitzungsberichte der physikalisch-medizinischen Gesellschaft zu Würzburg. Würzburg. [jähr. in zwangl. H.]	1140 Ger.
<i>Würzburg, Verh. physik. Ges.</i>	Verhandlungen der physikalisch-medizinischen Gesellschaft zu Würzburg. Würzburg. [jähr. in zwangl. H.]	1141 Ger.
<i>Yorks. Proc. Geol. Polyt. Soc.</i>	Proceedings of the Yorkshire Geological and Polytechnic Society, Halifax.	430 U.K.
<i>York, Rep. Phil. Soc. ...</i>	Annual Report of the Council of the Yorkshire Philosophical Society, York. 8vo.	431 U.K.
<i>Zaragoza, Bol. Soc. Arag...</i>	Boletín de la Sociedad Aragonesa de Ciencias Naturales, Zaragoza.	— Spain.
<i>Zagreb, Rad. Jugoslav. Ak.</i>	Rad Jugoslavske akademije znanosti i umjetnosti. [Transactions of the South Slav Academy of Art and Science.] Zagreb.	— Croat.
<i>Zap. Obšč. sel'sk. choz. Južn. Ross., Odessa</i>	Записки Императорскаго общества сельскаго хозяйства Южной Россіи. Одесса [Mémoires de la Société Impériale d'Agronomes de la Russie méridionale. Odessa].	380 Rus.
<i>ZentrBl. Forstwes., Wien ...</i>	Zentralblatt für das gesamte Forstwesen. Organ der k. k. Forstlichen Versuchsanstalt. Herausgegeben von Josef Friedrich. Wien. [monatl.]	506 Aus.
<i>ZentrBl. Physiol., Wien ...</i>	Zentralblatt für Physiologie. Unter Mitwirkung der Physiologischen Gesellschaft zu Berlin und der Morphologisch-Physiologischen Gesellschaft zu Wien herausgegeben von Siegmund Fuchs und J. Munk. Wien und Leipzig. [2 wöchentl.]	510 Aus.
<i>Zool. Anz., Leipzig...</i>	Zoologischer Anzeiger, hrsg. v. Carus. Leipzig. [2-3 Nrn monatl.]	1148 Ger.
<i>Zool. Anz., Würzburg ...</i>	Zoologische Annalen. Zeitschrift für Geschichte der Zoologie. Hrsg. von Max Braun. Würzburg.	-- Ger.
<i>Zool. Beob., Frankfurt a. M.</i>	Zoologischer Beobachter. Organ der zoologischen Gärten Deutschlands. Hrsg. v. d. Neuen zoologischen Gesellschaft. Frankfurt a. M. [monatl.]	— Ger.
<i>Zool. Centralbl., Leipzig ...</i>	Zoologisches Centralblatt, hrsg. v. Schuberg. Leipzig. [referierend, 26 Nrn jähr.]	1149 Ger.
<i>Zool. Garten, Frankfurt a. M.</i>	Der zoologische Garten, hrsg. v. d. neuen zoologischen Gesellschaft in Frankfurt a. M. Frankfurt a. M. [monatl.]	1150 Ger.

<i>Zool. Jahrb., Jena...</i>	...	Zoologische Jahrbücher, hrsg. v. Spengel. 1. Abth. für Anatomie. 2. Abth. für Systematik. Jena. [Die Abth. 4 H. jährl.] Nebst Supplementen.	1151 Ger.
<i>Zool. Jahresber., Berlin</i>	...	Zoologischer Jahresbericht, hrsg. v. d. zool. Station zu Neapel. Berlin. [referierend, jährl.]	1152. Ger.
<i>Zool. Rec., London...</i>	...	The Zoological Record, London...	435 U.K.
<i>Zoologica, Stuttgart</i>	...	Zoologica. Original-Abhandlungen aus dem Gesamtgebiete der Zoologie, hrsg. v. Chun. Stuttgart. [3-4 H. jährl.]	1153 Ger.
<i>Zoologist, London</i>	...	The Zoologist, London. 8vo. ...	434 U.K.
<i>Zs. allg. Physiol., Jena</i>	...	Zeitschrift für allgemeine Physiologie, hrsg. v. Max Verworn. Jena. [unbestimmt.]	1279 Ger.
<i>Zs. angew. Mikrosk., Leipzig</i>	...	Zeitschrift für angewandte Mikroskopie und klinische Chemie, hrsg. v. Marpmann. Leipzig. [monatl.]	1157 Ger.
<i>Zs. Augenheilk., Berlin</i>	...	Zeitschrift für Augenheilkunde, red. v. Kuhnt u. v. Michel. Berlin. [monatl.]	1160 Ger.
<i>Zs. Biol., München</i>	...	Zeitschrift für Biologie, hrsg. v. Kühne u. Voit. München. [4 jährl.]	1168 Ger.
<i>Zs. Ent., Breslau</i>	...	Zeitschrift für Entomologie, hrsg. vom Verein für schlesische Insektenkunde zu Breslau. Breslau. [jährl.]	1180 Ger.
<i>Zs. Ethn., Berlin</i>	...	Zeitschrift für Ethnologie, red. v. Bartels etc. Berlin. [2 monatl.] Nebst: Nachrichten über deutsche Alterthumskunde.	1181 Ger.
<i>Zs. Forstw., Berlin</i>	...	Zeitschrift für Forst- und Jagdwesen. Berlin. [monatl.]	1184 Ger.
<i>Zs. Geburtsh., Stuttgart</i>	...	Zeitschrift für Geburtshilfe und Gynäkologie, hrsg. v. Olshausen u. Hofmeier. Stuttgart. [6 H. jährl.]	1186 Ger.
<i>Zs. Hymenopter., Teschen-dorf</i>	...	Zeitschrift für systematische Hymenopterologie und Dipterologie, hrsg. v. Konow. Teschen-dorf bei Stargard. [2 monatl.]	1194 Ger.
<i>Zs. Hyg., Leipzig</i>	...	Zeitschrift für Hygiene und Infektionskrankheiten, hrsg. v. Koch u. Flüge. Leipzig. [8 H. jährl.]	1193 Ger.
<i>Zs. Infektkrankh., Berlin</i>	...	Zeitschrift für Infektionskrankheiten, parasitäre Krankheiten und Hygiene der Haustiere. Hrsg. v. R. Ostertag. Berlin. [zwangl.]	— Ger.
<i>Zs. klin. Med., Berlin</i>	...	Zeitschrift für klinische Medizin, red. v. v. Leyden u. Klemperer. Berlin. [15 H. jährl.]	1199 Ger.
<i>Zs. LehrmWes., Wien</i>	...	Zeitschrift für Lehrmittelwesen und pädagogische Literatur. Herausgegeben von F. Frisch. Wien. [10 H. jährl.]	— Aus.

<i>Zs. Morph., Stuttgart</i> ...	Zeitschrift für Morphologie und Anthropologie, hrsg. v. Schwalbe. Stuttgart. [zwanglos.]	1213 Ger.
<i>Zs. Natw., Stuttgart</i> ...	Zeitschrift für Naturwissenschaften. Organ des naturwissenschaftlichen Vereins für Sachsen und Thüringen. Stuttgart. [2 monatl.]	1214 Ger.
<i>Zs. Oologie, Berlin</i> ...	Zeitschrift für Oologie. Organ für Wissenschaft und Liebhaberei. Berlin.	1308 Ger.
<i>Zs. Ornith., Stettin...</i> ...	Zeitschrift für Ornithologie und praktische Geflügelzucht. Organ des Verbandes der ornithologischen Vereine Pommerns. Stettin. [monatl.]	1218 Ger.
<i>Zs. Pflanzenkrankh., Stuttgart</i>	Zeitschrift für Pflanzenkrankheiten, hrsg. v. Sorauer. Stuttgart. [2 monatl.]	1222 Ger.
<i>Zs. Psychol., Leipzig</i> ...	Zeitschrift für Psychologie und Physiologie der Sinnesorgane, hrsg. v. Ebbinghaus und König. Leipzig. [18 H. jährl.]	1229 Ger.
<i>Zs. Thiermed., Jena</i> ...	Zeitschrift für Thiermedizin, red. v. Albrecht etc. Jena. [2 monatl.]	1234 Ger.
<i>Zs. Veterinärk., Berlin</i> ...	Zeitschrift für Veterinärkunde mit besonderer Berücksichtigung der Hygiene, red v. Gramlich. Berlin. [monatl.]	1244 Ger.
<i>Zs. wiss. Insektenbiol., Iusum</i>	Zeitschrift für wissenschaftliche Insektenbiologie. Früher: Allg. Zs. Ent. Hrsg. v. C. Schröder. Iusum. [monatl.]	— Ger.
<i>Zs. wiss. Mikrosk., Leipzig</i>	Zeitschrift für wissenschaftliche Mikroskopie und mikroskopische Technik, hrsg. v. Behrens. Leipzig. [4 jährl.]	1248 Ger.
<i>Zs. wiss. Zool., Leipzig</i> ...	Zeitschrift für wissenschaftliche Zoologie, hrsg. v. Kölliker u. Ehlers. Leipzig. [8 H. jährl.]	1249 Ger.
<i>Zürich, Neujahrbl. natf. Ges.</i>	Neujahrsblatt der Naturforschenden Gesellschaft in Zürich. 4to.	— Swi.
<i>Zürich, Vierteljahrsh. Natf. Ges.</i>	Vierteljahrsschrift der naturforschenden Gesellschaft in Zürich. Zürich und München. 8vo.	125 Swi.
<i>Zwickau, Jahresber. Ver. Natk.</i>	Jahresbericht des Vereins für Naturkunde zu Zwickau. Zwickau. [jähr.]	1253 Ger.

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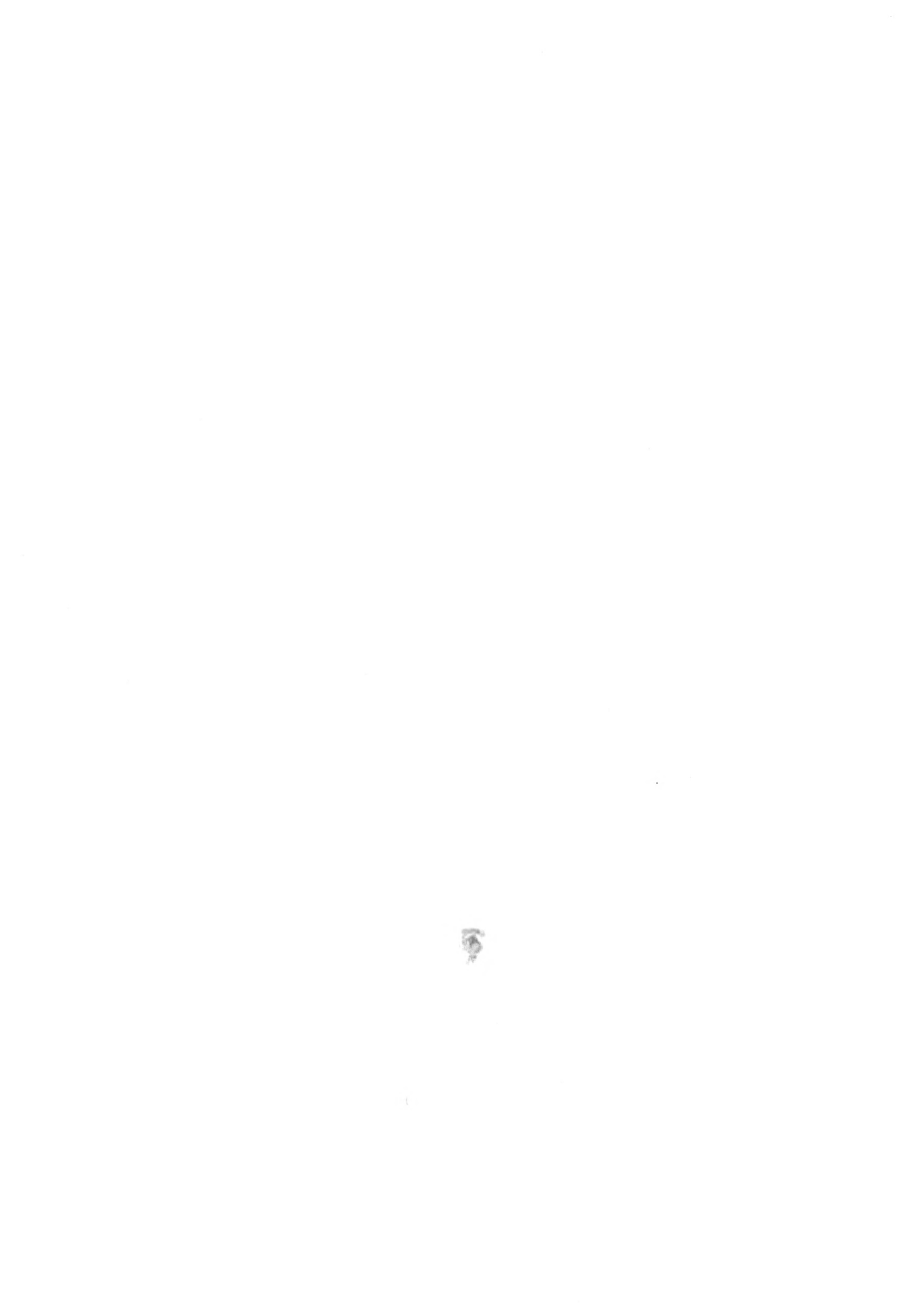
CORRIGENDA.

- XII. Insecta p. 262 col. 1 line 18, for *Obeveo* read *Oberea*.
 " " p. 271 col. 2 line 18, for *Glaphynopternula* read *Glaphyopternula*.
 XVII. Aves p. 85 col. 2 line 8, for *Chysocytillus* read *Chrysosptilus*.
 " " p. 85 col. 2 line 10, for *Dendrocopus* read *Dendrocopos*.
 " " p. 97 col. 2 line 9 from bottom, for *Cinnypis* read *Cinnypis*.
 XVIII. Man. p. 75 col. 2 line 10 from bottom, for *sp. n.* read *subsp. n.*
 XV. Pisces p. 43 col. 1 line 24, for **19**, (). read **19**, (81).

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